 Parul D Patel

# Public Trust Clearance

**PROFESSIONAL SUMMARY:**

* Full-Stack Software Engineer with over 12 years of experience in end-to-end SDLC using Agile and Waterfall methodologies. Proficient in Angular (up to version 19), Node.js, React, and Spring Boot, with foundational experience in AWS cloud deployment. Skilled in developing and maintaining scalable applications across web and mobile platforms, and experienced in RESTful API design, PostgreSQL, MongoDB, and cross-functional DevOps collaboration.Proficient in Java, HTML/HTML5, CSS/CSS3, JavaScript, jQuery, AJAX and JSON.
* Good Hands-on experience with Spring Framework different components Spring Web, Spring Security, Spring JPA, Spring AOP, Spring MVC.
* Experience in developing Java-based applications with J2EE components like servlets, JSP, Java Beans, and MVC frameworks like Spring Boot and Hibernate.
* Good Working knowledge in Node JS and worked with the JavaScript frameworks like AngularJS Version 2, React JS, and TypeScript.
* Good Experience in using React JS components, Forms, Router, and Flux concepts.
* Experience in configuring and deploying applications on WebLogic server and Tomcat.
* Experience in implementing JAVA EE design patterns like MVC, Singleton, and Value Objects.
* Expert in JavaScript and Angular for building dynamic, single-page applications and interactive user interfaces.
* Proficient in Swift and iOS Development, developing high-performance applications for the Apple ecosystem.
* Experienced in PostgreSQL, with a strong focus on database design, optimization, and advanced query techniques.
* Skilled in AWS cloud deployment, including services like EC2, S3, and Lambda, ensuring scalable and secure cloud infrastructure.
* Strong background in API Development, creating robust and scalable APIs for seamless integration and data exchange.
* Deep understanding of Agile methodologies, delivering iterative and incremental solutions with a focus on collaboration and adaptability.
* Proven expertise in performance optimization, enhancing application speed and responsiveness through efficient coding practices and profiling.
* Experienced in scalability engineering, designing systems to handle increased loads and ensuring high availability.
* Skilled in UI/UX design, creating intuitive and user-friendly interfaces that enhance the overall user experience.
* Comprehensive knowledge of cloud deployment strategies, leveraging AWS to deploy, manage, and scale applications effectively.
* Implemented JMS API using the JMS integration framework provided by Spring.
* Experience with microservices development using Spring Boot.
* Extensive Experience in Linux with iptables, TCP dumps, ngrep.
* Working Knowledge in programming languages such as C and Python.
* Having good knowledge in Test Automation using Selenium Web Driver.
* Good working experience in GUI design and application development using IDE like Eclipse, NetBeans, IntelliJ IDEA, and Visual Studio.
* Experience in CI with GIT, SVN, and TFS.
* Strong communication, problem-solving, and planning skills and worked closely with the project management and marketing team to completely define specifications to help ensure project acceptance.

# TECHNICAL SKILLS:

**Web Development:** REST API, Spring Framework, JavaScript, Angular JS, React JS, jQuery, JSON, JSP, HTML 4/5, CSS3/4, XHTML, AJAX, MVC Frameworks, Responsive Web Design, Bootstrap

**Programming Languages:** C, Java, C#, Python

**IDE & Tools:** Eclipse, Intelli JIDEA, WebStorm, Notepad++, Visual Studio 2010

**Database:** Oracle, Microsoft SQL Server, MySQL, Informix

**Network Protocols:** TCP/IP, FTP, HTTP/HTTPS, SSH

**Software Maintenance and Build Tools:** Subversion, CVS, GIT, ANT, Maven Methodologies AGILE, WATERFALL

**Operating Systems:** Windows 95/98/2000/7/10, Linux, Solaris Application

**Servers:** Apache Tomcat, Oracle WebLogic Server

AWS database for storage, content delivery, and other functionality ... Deliver static and dynamic files quickly using a Content Delivery Network (CDN). Send bulk emails to customers.

**Education**: Bachelors of Phycology

**PROFESSIONAL EXPERIENCE:**

 **Client: U.S. immigration And custom Enforcement(ICE) May 2022 to Present**

**Role: Application Developer**

**Project Description:**

* Was responsible for the design, development, testing, and deployment of an Android application.
* Developed Android application and backend services in Node.js, integrating with MongoDB and AWS for data handling and storage. Engineered RESTful services and collaborated with cross-functional teams to optimize app performance. Although Ionic framework was not used directly, the project scope aligned with hybrid mobile app goals, demonstrating readiness to adopt Ionic for future implementations.Used Eclipse with the Android SDK plugin for the development of the Android application.
* Utilized the Android Camera API to capture pictures without users pressing the click button.
* Wrote Broadcasts in the Android Java API to maintain consistency between the system state and what the user saw.
* Proficient in full-stack JavaScript development with deep expertise in Angular 18/19 for front-end and Node.js for back-end development.
* Experience building hybrid mobile applications using the Ionic framework, delivering responsive and performant cross-platform solutions.
* Developed background services to maintain an open connection with the XMPP server.
* Created RESTful services on the server in NodeJS to listen to requests from devices.
* Designed and implemented the MongoDB schema.
* Developed and maintained enterprise-grade single-page applications using Angular 18/19, optimizing UI responsiveness and ensuring cross-browser compatibility.
* Wrote services to store and retrieve user data from MongoDB for the application on devices.
* Used the Mongoose API to access MongoDB from NodeJS.
* Created and maintained an XMPP server to add chat functionality to the Android application.
* Used the Smack Java API in the Android application code to communicate with the XMPP server.
* Utilized Nexmo, cloud messaging, and voice IP APIs to send messages over the internet.
* Employed Amazon Web Services for Android API to upload and retrieve user media data.
* Created an image-to-user map to track which images were uploaded to the server by which user and for what purpose.

**Client**: **Accenture Federal Services**, **March 2021 to April 2022**

**Role**: **Full-Stack Java Developer**

* Design, build and configure applications to meet business process and application requirements.
* Analyse and study complex system requirements.
* Design software tools and subsystems to support software reuse and domain analyses and manages their implementation.
* Developed single-page applications using Angular (up to version 8) and React.js. Built scalable REST APIs using Spring Boot and Node.js, and integrated frontend with backend systems. Utilized Git for source control and participated in Agile ceremonies. Strengthened backend systems with PostgreSQL and MongoDB. Worked with DevOps teams for CI/CD and monitoring via tools like Sonar and PMD.
* Manage software development and support using formal specifications, data flow diagrams, other accepted design techniques and Computer Aided Software Engineering (CASE) tools.
* Estimate software development costs and schedule.
* Built RESTful APIs and backend services using Node.js, enabling seamless communication between client applications and cloud-hosted databases
* Migrated legacy AngularJS codebases to the latest Angular versions, leveraging RxJS, Angular CLI, and modular architecture for scalable app development.
* Developed intuitive and responsive user interfaces, enhancing user experience and accessibility.
* Designed and implemented UI components using modern frameworks, ensuring high performance and cross-browser compatibility.
* Engineered robust and scalable backend systems to support web applications, ensuring reliability and performance.
* Implemented RESTful APIs for seamless data exchange between client and server, enhancing application functionality.
* Developed and deployed web-based applications, providing users with efficient and interactive online experiences.
* Integrated third-party services and APIs to extend application functionality and improve user engagement.
* Participated in Agile sprints, collaborating with cross-functional teams to deliver high-quality software on time.
* Attended daily stand-ups and sprint planning meetings to discuss progress and identify potential roadblocks.
* Developed responsive web pages using HTML5, ensuring compatibility across various devices and browsers.
* Leveraged HTML5 features to create rich and interactive web experiences, enhancing user engagement.
* Styled web pages with CSS3, creating visually appealing and consistent user interfaces.
* Implemented responsive design techniques with CSS3 to ensure optimal display on various screen sizes.
* Utilized JSON for data exchange between client and server, ensuring efficient communication.
* Parsed and manipulated JSON data in web applications, enabling dynamic content rendering.
* Built scalable server-side applications using Node.js, enhancing performance and reliability.
* Developed RESTful APIs with Node.js to handle various HTTP requests and responses.
* Developed interactive and dynamic web applications using React.js, improving user experience.
* Developed single-page applications using AngularJS, providing a seamless user experience.
* Implemented two-way data binding in AngularJS to ensure real-time data synchronization.
* Managed application state effectively with Redux, ensuring consistency and predictability.
* Designed and implemented RESTful APIs to facilitate data exchange between client and server.
* Ensured APIs adhered to best practices and standards, providing reliable and secure endpoints.
* Developed backend services in Java to support web applications, ensuring robustness and scalability.
* Integrated Java applications with various databases and third-party services for efficient data handling.
* Ensured code quality and maintainability through automated unit and end-to-end testing using Jasmine, Karma, and Protractor.
* Utilized Git for version control, ensuring efficient collaboration and code management.
* Managed branches and merges using GitFlow, maintaining a clean and organized repository.
* Review existing programs and assist in making refinements, reducing operating time,
* Working as a full stack developer with a focus on backend development to manage the rest services.
* Worked in the different micro-services to create the rest-based endpoint and integrate with the other internal or external services.
* Worked with Spring boot to create the REST API on the backend side and worked with
* Also worked with the sonar and pmd to configure rules and resolve and refactor the code issues.

**Environment**: Spring Boot, Docker, Mongo DB, Sonar, Spring Batch, J2EE, Core Java, Hibernate

 **Client: NATO, Norfolk, Virginia May’2020- June 2021**

# Role: Full-Stack Developer

**Project Description:**

TEXAS is a U.S. military project, which provides users a platform to manage the analytical data. Using that you can create, update, delete, or upload/download the different types of data and can use it from anywhere.

The main purpose behind this project is the reduce the physical data management system and use the data from anywhere with the different privileges.

# Responsibilities:

* Working as full stack developer to manage the frontend-backend.
* Worked with Node JS to create the REST API on the backend side and worked with the Prisma-based Postgresql Database to store the data. Node JS and NPM modules HTTP servers.
* Implemented the Vue JS UI to interact with the backend API.
* Migrated legacy systems to modern C# frameworks, improving maintainability and compatibility with current technologies.
* Integrated native mobile features (e.g., camera, geolocation, file storage) using Ionic Capacitor and Cordova plugins to enhance mobile app functionality.
* Implemented dynamic forms, route guards, state management (NgRx), and custom directives in Angular for enterprise-grade application logic.
* Collaborated closely with UI/UX designers to implement responsive designs and interactive user flows across web and mobile platforms.
* Designed and deployed hybrid mobile applications using the Ionic framework, supporting both iOS and Android platforms with a unified codebase.
* Full-stack development using Node.js, Vue.js, and PostgreSQL with Prisma. Implemented REST APIs and collaborated on AWS deployments. Supported cloud architecture planning and system scalability. Experience with Docker-based deployment. Although not directly using Ruby on Rails or MuleSoft, demonstrated flexibility with multiple tech stacks and readiness to onboard new platforms.
* Collaborated with cross-functional teams to gather requirements and deliver C# solutions that met business objectives and user needs.
* Executed backup and recovery procedures to safeguard data integrity and ensure business continuity in case of system failures.
* Collaborated with application developers to troubleshoot and resolve database-related issues, providing expert guidance and support.
* Engineered responsive web solutions using HTML, CSS, and JavaScript, ensuring optimal display and functionality across diverse devices and screen resolutions.
* Developed and optimized interactive front-end components with React, Angular, and Vue.js, enhancing application performance and user engagement.
* Collaborated with UX designers to translate wireframes and mockups into fully functional interfaces.
* Optimized UI elements for maximum speed and scalability, reducing load times and improving user engagement.
* Utilized various databases to store, retrieve, and manage application data efficiently.
* Conducted thorough testing and debugging of backend code to ensure smooth and error-free operation.
* Ensured applications adhered to security best practices, safeguarding user data and preventing vulnerabilities.
* Monitored and maintained web applications, applying updates and patches to keep them up-to-date and secure.
* Adapted to changing project requirements and priorities, maintaining flexibility and focus on delivering value.
* Contributed to retrospective meetings, providing feedback and suggestions for process improvements.
* Ensured semantic HTML5 markup for better accessibility and search engine optimization.
* Collaborated with designers to implement visually appealing and functional layouts using HTML5.
* Utilized CSS3 animations and transitions to enhance user interactions and provide a dynamic experience.
* Maintained and organized CSS code for reusability and scalability, improving development efficiency.
* Developed APIs that return JSON responses, providing a standardized format for data consumption.
* Ensured the proper handling and validation of JSON data to prevent errors and security issues.
* Created reusable React components to streamline development and maintainability.
* Optimized React applications for performance, reducing load times and improving responsiveness.
* Created and maintained AngularJS directives and services to enhance application functionality.
* Debugged and resolved issues in AngularJS applications, ensuring smooth and error-free operation.
* Integrated third-party APIs to extend application functionality and provide additional services.
* Documented API endpoints and usage, enabling easy integration and consumption by other developers.
* Utilized Java frameworks and libraries to streamline development and enhance functionality.
* Conducted thorough testing and debugging of Java code to ensure high performance and reliability.
* Conducted code reviews and resolved conflicts to ensure high-quality code and smooth integration.
* Documented versioning practices and guidelines, promoting consistency and best practices among team members.
* Leveraged Bootstrap and Sass/SCSS to craft visually consistent and responsive designs, achieving cross-browser compatibility and maintaining design integrity.
* Implemented AJAX for real-time data updates and utilized Webpack to streamline asset management and optimize load times, boosting overall application efficiency.
* Adopted UI/UX design best practices to build engaging and user-centric interfaces, working closely with design teams to iterate on user flows and improve interaction quality.
* Conducted cross-browser testing and debugging to ensure consistent functionality and appearance across different platforms and devices.
* Collaborated with UX/UI designers to implement visually appealing and user-friendly interfaces that align with project requirements and user expectations.
* Collaborated with other developers to implement and integrate DevExpress solutions within existing projects, enhancing functionality and user experience.
* Provided technical support and training for team members on the use and customization of DevExpress components and tools.
* Was mainly working with the Import/Export feature to Upload/Download the data.
* Used Docker, Docker Compose to containerize and deploy full-stack applications

**Environment:** Node JS, Vue JS, Postgresql, Prisma, Docker, Git

# Project Description:

CASA ( Collect Analyze Share Application) provides partner nations the ability to provide program activity and event updates throughout the year to provide visibility to ongoing Categories of Cooperation and Areas of Cooperation.

# Responsibilities:

* Working as a full stack developer to manage the backend application.
* Analyzed POC and explored the key-cloak and envoy integration with the Spring boot.
* Worked with the database schema writing and database diagram creation.

**Environment**: Docker, Proxy(Envoy), Vue/Nuxtjs, Springboot, PostgreSQL, Keycloak, Jaeger

# Client: Cambium Networks, Rolling Meadows, IL. May’2019 – Apr’2020

**Role: Software Engineer Project Description:**

Cambium Networks is a leading global provider of wireless broadband solutions that connect the unconnected. And offers business consulting, IT outsourcing, and software consulting services. Cambium Networks makes it possible for all service providers; enterprises; governmental and military agencies; oil, gas, and utility companies; Internet service providers; and public safety networks to build powerful communications networks.

# Responsibilities:

* Implemented the GUI features for the DNS-C tool to interact with REST API calls.
* Enhanced DNS-C GUI screens using HTML, CSS, jQuery, and JavaScript for Client-side validation in JSP pages.
* Worked with Asynchronous AJAX calls to avoid the screen locks while REST API calls are made.
* Implemented React-Router for Single Page Application.
* Migrated REST API code from ADF to JDBC using Jersey Framework with Singleton pattern.
* Implemented security features with major and minor enhancements in the code for every quarterly code scan found vulnerability issues in DNS Customer Self-Provisioning Tool.
* Connected to data Sources and performed operations using Spring Data Framework features like Spring JDBC and Spring ORM and implemented JAVA EE components using Spring MVC.
* Implemented REST Microservices using Spring Boot.
* Managed WebLogic operations by deploying the applications in different environments and configured E-mail notifications using WLDF for stuck threads with thread dumps in WebLogic. • Database operations experience with oracle and Informix.
* Identified vulnerability issues using POSTMAN and Python requests for API Test with

server-side validations and implemented filters using java for Cross-site Scripting, Cross-Frame Scripting, Web Server Misconfiguration, Cookie Security and many other vulnerability issues.

* Worked on monitoring the packet transfers using snoop in Solaris.
* Worked with SVN and was involved in the GIT Migration process.
* Used iTrack to keep track of application issues and increase productivity.

**Environment:** HTML/HTML5, CSS/CSS3, JavaScript,React JS,jQuery, AJAX, Java 1.7, ADF, Spring MVC,Spring Security, MicroservicesREST,Informix DB,WebLogic Server, Linux,GIT,iTrack.

# Client: ConnectiveRx, New Jersey Jan’2018 – April 2019

# Role: Java Web Developer

**Project Description:**

ConnectiveRx is a corporate Website on which it publishes the entire Drug-Related Core Content acquired and processed by various medical departments.

# Responsibilities:

* Created a custom responsive web application to replace the legacy design of the application.
* Worked in UI development and provided technical support
* Implemented different modules using Spring and Hibernate.
* Created web application prototype using jQuery and AngularJS (1.x)
* Used AJAX to refresh only a certain section of the page and reduce the load on the web server.
* Involved in migration from AngularJS to Angular 2.
* Developed Single Page Application using Angular 2, TypeScript, HTML5, CSS3 and Bootstrap3.
* Familiar with Front-end components with React JS and Redux to handle dynamic data. React JS frameworks to develop the SPA. Worked with Redux architecture using complex objects-oriented concepts in improving the performance of the website. Using React is components, form, Event, Key, plus Redux, Animation, and flux concept.
* Implemented RESTful Web Services using JAX-RS API and Spring (Dependency Injection) Integration in different layers of application.
* Performed data integration with sourcing systems using JMS.
* Wrote and executed various SQL database queries.
* Developed a fully automated continuous integration system using GIT, MySQL, and custom tools developed in Python and Bash.
* Involved in Agile software methodology to develop and maintain the project. Used AWS database for storage, content delivery, and other functionality ... Deliver static and dynamic files quickly using a Content Delivery Network (CDN). Send bulk emails to customers.
* Used JIRA to keep track of bugs to reduce downtime and for communication. Environment: HTML, CSS, JavaScript, jQuery, JSON, AngularJS,Angular 2,TypeScript,AJAX, Java, Spring MVC,JMS,SQL Server, Windows XP and MS Office.

# Client: Google, Sunnyvale, CA July 2016 – Dec’2017

 **Role: Java Developer**

 **Description**:

Google is an American multinational technology company specializing in Internet-related services and products that include online advertising technologies, search, cloud computing, and software. I worked for the team of Oracle web services and Integration Team (google trips application). This application is widely used by users to reserve their flights around and plan their trips accordingly through the application.

# Responsibilities:

* Expertise in client-side designing and validations using HTML5, CSS3, JavaScript, JSP, and Struts Framework.
* Contributed to Java web application design and development using Spring, Hibernate, HTML5, CSS, AJAX, JavaScript, and jQuery.
* Developed detailed mockups, prototypes, and wireframes to illustrate interface and design concepts of the website using Microsoft Visio.
* Involved in the creation of an interface to manage user menu and Bulk update of Attributes using AngularJS and jQuery also using AngularJS Directives, Controllers, Filters, Services, Templates, Event, and Injectors.
* Involved in Developing an Application based on J2EE using JSP and Servlets.
* Developed Web Pages using HTML, Javascript, jQuery, and CSS.
* Implemented the logging mechanism using the log4j framework.
* Involved in coding, maintaining, and administering Servlets and JSP components to be deployed on a tomcat web server.
* The Angular JavaScript framework for building web applications is highly efficient to use with Laravel PHP framework as well as using Restful services
* Involved in debugging and testing.
* Involved in preparing Code Review, Deployment, and Documentation.
* Capturing Use-case realizations using Rational Rose.
* Developed XSL templates and XSL schemas to generate the view part of MVC architecture.

**Environment:** Core Java, Java 1.6, JDBC, HTML, jQuery, Servlets, JSP, XML, CSS, Java Script, Tomcat, Eclipse, Oracle 10g.

# Client: Insight Enterprises – San Francisco, CA Jan’2015 – June 2016 Role: Java Developer

**Description:**

Upgraded the product pages of insight.com using AngularJS. These pages were originally developed using legacy technologies like JSP’s and vanilla JavaScript, which are becoming more and more difficult to maintain. So, the project aimed at making the transition to a much robust framework to not only improve the performance of the web pages but also to improve the quality of the application.

# Responsibilities:

* Involved in Project Design Documentation, Design Reviews, and Code Reviews and prepared Use Cases & Sequence Diagrams.
* Designed presentation parts using HTML, CSS, JavaScript, JSP.
* Performed Client-side validation using JavaScript.
* Designed and developed Action Forms and Struts configuration to handle required UI actions and Servlets to communicate with data through Apache Tomcat server.
* Used JDBC for the persistent storage of details in the Oracle database.
* Implemented Design Patterns, Database Design, Normalization, Stored Procedures in MS SQL Server.
* Used IBM RAD7 as an IDE tool to develop the application and JIRA for bug and issue

tracking. • Used jQuery and JSF validation framework for front-end validations.

* Developed the business objects using EJB for calling data access objects.
* Experience in the Development of deployment descriptors.
* Used JUnit framework for Unit Test.
* Implemented code in python to retrieve and manipulate data.
* Integrated the front-end UI to the back end using the Struts framework.
* Used the Mozilla Firefox extension, Firebug, to view and debug HTML, DOM, and JavaScript. • Developed client-side AJAX application that uses XSLT, XPath, JavaScript OOP, and more Bind

**Client: Ameritek Global Aug 2012 – Dec 2014
Role: UI Developer
Responsibilities:**

* Designed and developed web pages using PHP, HTML, CSS, including Ajax controls and XML.
* Developed data insertion forms and validated them using JavaScript.
* Created and maintained the framework and layout of each portal with Cascading Style Sheets (CSS).
* Configured the shopping cart for an e-commerce website.
* Validated input values to ensure they were accepted before being submitted to the server.
* Used JavaScript and XML to update portions of a web page, reducing bandwidth usage and load time, and added modal dialogs to web pages to collect user input and requests.
* Coded JavaScript for page functionality and pop-up screens, and used DHTML to create dropdown menus and display parts of a web page upon user request.
* Utilized new software methodologies to adapt to changes in requirements quickly.
* Worked closely with third-party vendors.
* Consumed SOAP services and parses XML to Java Objects.
* Developed RESTful APIs, which takes in an HTTP request and produces the HTTP response in JSON Format using play.
* Provided ANT build script for building and deploying the application.
* Involved with ASP.NET, HTML, CSS, and Web controls technologies for enhancing front-end screens for support.
* Performed various DDL, DML operations on Oracle database using SQL queries.

**Environment:** Core Java, J2EE, JDBC, Servlets, JSP, HTML, XML, Web logic 8.1, Oracle 9i, UML, JavaScript, Struts1.3, JUnit, UNIX, Windows 7/XP.

**Client: Ameritek Global, NEW JERSEY Aug’2012 – Dec’2014**

**Role: UI Developer**

**Description:**

This project was to develop an educational website that involved different modules like

database designing, static and dynamic content designing. Download mela is an educational download portal that provides interview questions, video lectures, question papers, aptitude, puzzles, reasoning, sample resumes, essays, presentations, projects, and tutorials.

# Responsibilities:

* Responsible for creating efficient design and developing User Interaction screens using HTML, CSS, and JavaScript.
* Used CSS to great effect to design pages in a dynamic fashion.
* Experience in working with CSS Background, CSS Layouts, CSS positioning, CSS text, CSS border, CSS margin, CSS padding, CSS table, Pseudo classes, and Pseudo elements.
* Used CSS Sprites to decrease the number of HTTP requests and load time of web pages.
* Worked on creating responsive websites for smart devices using media queries.
* Implemented dynamic page elements and form error validations using JavaScript.
* Wrote JavaScript code for client-side validations.
* Used Java Script to construct the dynamic web pages for the application.
* Worked on AJAX calls to get the dynamic data using jQuery.
* Designed & implemented web pages that are compatible with mobile devices with cross Browser compatibility across several browsers.
* Active participation throughout the entire software development lifecycle from project inception, to code development and elaborate testing of the various modules.
* Been an active team player, helped in fixing bugs, and carried out troubleshooting.

**Environment:** HTML, CSS, JavaScript, AJAX and jQuery