

**PROFILE SUMMARY**

**Jyothi** **Jammigumpula**

**Java Full Stack Developer**

**ABOUT ME**









**WORK EXPERIENCE**

**Client: TCS/Goldman Sachs Sept 2024 - Present**

**Role: Software Engineer**

**Responsibilities:**

• Implemented a Platform Prober Service for synthetic Transactions monitoring, using spring boot to monitor the availability of Microsoft 365 applications such as Outlook and SharePoint, enabling real-time detection and reporting of service outages to improve operational efficiency.

• Configured and utilized Apache **HTTP** Client to make secure **API** calls to external endpoints through a proxy, ensuring seamless integration and adherence to network security protocols.

• Enhanced application security by implementing secure **serialization and deserialization** processes to mitigate risks such as injection attacks and unauthorized access, ensuring data integrity and secure communication across distributed systems.

• Improved application security by identifying and updating vulnerable packages to recommended versions, reducing critical risk levels (above 9) and strengthening system resilience against potential exploits.

• Strengthened application security by replacing hard coded credentials in **Spring Boot application** with dynamic values retrieved from **HashiCorp Vault,** ensuring secure and centralized management of sensitive information.

**Client: AT&T, New Jersey, USA Oct 2023 - Aug 2024**

**Role: Java Software Developer**

**Description:** AT&T is a global telecommunications leader providing mobile, broadband, and digital entertainment services. Contributed to developing and deploying microservices, configuring Spark streaming, and managing CI/CD pipelines and containerized environments.

**Responsibilities:**

* Used spring container for data source and to load the **Hibernate** specific classes.
* Responsible for **Spark** streaming configuration based on type of Input Source Developing business logic using **Scala**.
* Implemented **REST API** as **Spring Boot** **Microservices** to perform modular functionality as per Microservices architecture. Worked with **ReactJS** Controllers, Directives, Services, Pipes, Guards
* Working on creating batch jobs using **Autosys** as the job scheduler and technologies like **SQL** **invoker**, **UNIX shell** **scripting** and **core java**. Expertise in **Apache Kafka** message implementations and their integrations with the systems.
* Worked on **Jenkins** for continuous integration with **Gradle** and **GitHub**.
* Building/Maintaining **Docker** container clusters managed by **Kubernetes** Linux, Bash, **Git**, **Docker**, on **GCP** (Google Cloud Platform). Utilized **Kubernetes** and **Docker** for the runtime environment of the **CI/CD** system to build, test and deploy.
* Used **Node.js**, **React**, and Backbone.JS **MVC** framework for developing the Single Page Application (**SPA**).
* Implemented light weight **WADL** (Web application description Language) for better understanding of Rest based web services and its configuration. Used **SDK** such as **Eclipse** **IDE**, **Toad**, and **SVN** etc. in this project.
* Integrated the application with **Spring** Framework for implementing dependency injection provide abstraction between presentation and persistence layer. Developed unit testing framework using **JUnit** test cases for continuous integration testing and used **JTest** Tool for performance testing.
* Used **JMS** (Java Mailing Service) **API** and **Kafka** to mail notifications upon the success or failure when the backend processes are completed and to send mail notifications regarding any system related problems.
* Extensive experience in Pivotal Cloud Foundry (**PCF**). Developed prototype and project layout skeletons using **jQuery**, **HTML5**, and **CSS3**. Work on escalations regarding **AWS** **Cognito**.
* Experience in building pipelines using build/deploy tools such as **Jenkins**, **Docker** and **OpenShift** for Continuous Integration & Deployment for **Microservices**. Worked with **NoSQL** databases such as Cassandra, **Mongo DB**, and **Risk**.
* Implemented **Struts** Framework and performed **SIT, UAT.**
* Involved in implementation of enterprise integration with **Web Services** and Legacy Systems using **SOAP**, and **REST**.
* Have also worked on **Java** 8 along with **Cold Fusion** and Build **RESTful** web services using **Jax-RS API.**

**Environment:** Apache Kafka, API, Autosys, AWS, CI/CD, core java, CSS, CSS3, Docker, Eclipse, Git, GitHub, Gradle, Hibernate, HTML, HTML5, Java, Jenkins, JMS, jQuery, JUnit, Kafka, Kubernetes, Microservices, Mongo DB, MVC, Node.js, NoSQL, PCF, React, RESTful, S3, Scala, SOA, SOAP, Spark, Spring, Spring Boot, SQL, Struts, SVN, Web Services

**Client: (HCL Technologies) HCL Software, Bangalore, India Dec 2020 - Sept 2023**

**Role: Reacher ll**

**Description:** State Farm Insurance is a group of mutual insurance company. Contributed to developing and deploying scalable applications, implementing microservices, and configuring CI/CD pipelines and messaging services.

**Responsibilities:**

* Developed application using **Spring** **JPA**, **Angular** 2.0 on the presentation layer, the business layer is built using spring and the persistent layer uses **Hibernate**.
* Configured Office 365 in **Azure** to send email notifications for any alerts configured. Expertise in design and development of various web and enterprise applications using Type safe technologies like **Scala**, **Akka**.
* Strong development skills in designing and developing **Microservices** along with **Spring Boot** and Coherence cache implementation. Utilized the features of **React** to present effective web design.
* Experience in handling messaging services using **Apache Kafka** implemented **Micro services** architecture to make application smaller and independent **REST** web services using Jersey with the enabled **OAUTH**.
* Established continuous integration (**CI**) practices and standards using **Jenkins**. Set up **Jenkins** server and build jobs to provide continuous automated builds based on polling the **Git** source control system during the day and periodic scheduled builds overnight to support development using **Jenkins**, **Git**, **JUnit**, **Selenium** and **Maven**.
* Worked in configuring **CI/CD** tool **Jenkins** for project builds and automation of deployments.
* Worked on Server-side **CSS** pre-processing platforms and **UI** kits, such as **LESS/SCSS,** **Node.js**, foundation and **Bootstrap**. Have experienced developing web applications using **Bootstrap**, **Code Mirror, Brackets** and **Ember.js.**
* Proficient in implementing **Spring** Integration, with specific expertise in Async Channels, Global error handling, and **HTTP** Outbound gateway.
* Involved in Unit Testing and Bug-Fixing and achieved the maximum code coverage using **JUnit** test cases.
* Configured **JMS** server setup, **DB** connection setup & deployed Returned items in Web Sphere Server.
* Deployed our application on Pivotal Cloud Foundry (**PCF**) which is used to reduce the development overhead by providing a ready to use platform. Responsible for creating efficient design and developing User Interaction screens using **HTML**, **CSS3**, **Bootstrap**, **JavaScript**, **Angular** **11/12** and **Node JS.**
* Used **Jenkins** and pipelines to drive all **micro** **service** authentication builds out to the **Docker** registry and then deployed to Kubernetes. Worked on **Oracle 9i**, **MySQL**.
* The views are programmed using **JSP** pages with the struts tag library; Model is the combination of **EJBs** and **Java** classes and web implementation controllers and **Servlets**.
* Worked on Lambda Expressions, Functional interfaces Stream API's, Time **API**, and Improvements on Collection, Concurrency, and IO improvements by using **Java** 8.
* Implemented **Test Driven Development** using **JUnit**, Advanced Rest Client and **Log4j** in developing test cases and determining application functionality.
* Used Streams and **Lambda** expressions available as part of **Java** 8 to store and process the data.
* Experience of the design patterns and best practices with golang to start with design and get to deployable production systems including scale monitoring and instrumentation platform.
* Goland and Java were used as a backend REST service while AngularJs was used for user interface.

**Environment:** Angular, Apache Kafka, API, Azure, Bootstrap, CI/CD, CSS, CSS3, Docker, EJB, Ember.js, Git, Hibernate, HTML, Java, JavaScript, Jenkins, JMS, JSP, JUnit, Kafka, Kubernetes, Log4j, Microservices, MySQL, Node.js, Oracle, Oracle 9i, PCF, React, S3, Scala, Selenium, Servlets, Spring, Spring Boot, SQL

**Client: (HCL Technologies) Citibank, Bangalore, India Jul 2018 - Nov 2020**

**Role: Lead Engineer**

**Description:** Citibank, is the primary U.S. banking subsidiary of financial services multinational Citigroup. Involved in migrating applications to microservices, developing and deploying scalable web applications, and implementing CI/CD pipelines and cloud-based solutions.

**Responsibilities:**

* Extensively used **Hibernate** in data access layer to access and updates in the database used **Docker** to containerize the Services and **APIs** to run on **AWS** **EC2** instances.
* Involved in Migrating existing application in to **Microservices** architecture using **REST API**s and **Spring Boot**.
* Developed cross platform server-side applications using **Node.js**, **Backbone.js** and **Angular.js.** to achieve scalability in real-time web applications. Designed and implemented **Spark** cluster to analyze Data in **Cassandra**.
* Used **Apache Kafka** in cluster as messaging system between APIs and **Microservices** and worked on **Splunk SPL** (Search process language) queries, reports and logging using **Log4j**.
* Implemented a continuous delivery pipeline with **Docker** for custom application images in the cloud using Jenkins.
* Strong experience on Devops essential tools like **Kubernetes**, **Git**, **Jenkins**, Ant, Maven and deployed/managed applications to managed cloud services in **Pivotal Cloud Foundry.**
* Deployed static websites and several supporting **APIs** (**Node.js**) following a server less architecture in **AWS** (**API** **Gateway**, **AWS Lambda** & **Lambda** @**Edge, Cloud Front, Dynamo DB, S3**, and more).
* Developed and maintained responsive web applications using **React.js,** delivering high-quality code that met project requirements and deadlines. Implemented asynchronous messaging services using **JMS**.
* Implemented logging and admin support using **Spring Boot** to enhance the web development.
* Write unit tests using **JUnit**, Mockito or other testing frameworks to ensure code quality and test coverage.
* Created computing and data resources on **AWS** using **EC2**. Installed Pivotal Cloud Foundry on **EC2** to manage the containers created by Pivotal Cloud Foundry (**PCF**).
* Performed UI testing and front-end testing using **Selenium**. Used Firebug to do web-based application testing with **Selenium** for the commands and locator application.
* Developed front-end applications using **React**, **Flux**, **Node.js** and **Docker** and Built **Spring** based **Java** and **Scala** services to support Enterprise Web application.
* Experience in managing **Mongo DB** environment from availability, performance, and scalability perspectives. Executing tasks on **XML** **registry**, **XSLT**/**XQuery**, and transformation capabilities.
* Extensive use of **Struts** Framework for Controller components and view components.
* Used **AWS** Beanstalk for deploying, scaling web applications and services developed with Java.
* Implemented **RESTful** web services which produces both **XML** and **JSON** files to perform tasks, **RESTful** web service using **Jersey** for **JAX-RS** implementation, which leveraged both web & mobile applications.
* Extensively used **Java** 8 features such as **lambda** **expressions**, Parallel operations on collections, multithreading and for effective sorting mechanisms.

**Environment:** Angular, Apache Kafka, API, AWS, AWS Lambda, Backbone.js, Docker, EC2, Git, Hibernate, Java, Jenkins, JMS, JUnit, Kafka, Kubernetes, Log4j, Microservices, Mongo DB, Node.js, PCF, React, RESTful, S3, Scala, Selenium, Spark, Spring, Spring Boot, Struts, XML

**Client: (Avon Technologies (I) Private. Ltd.), Hyderabad, India**

**Role: Software Engineer Jul 2015 - Jul 2018**

**Description:** Lifestyle International Pvt. Ltd. is one of the leading and No.1 fashion retail company. Implemented CI/CD pipelines to automate the build, test, and deployment processes, ensuring rapid and reliable delivery of software updates.

**Responsibilities:**

* Implemented the **DAO** pattern for **PostgreSQL** database connectivity and **Hibernate** for object persistence.
* Worked on UI for Layered Security and S&L modules and hands on experience with **Spark** streaming to receive real time data using **Kafka**. Involved in writing the **Microservices** in **Spring Boot** application with **spring annotations.**
* Developed views using **Bootstrap** components, **Angular**-UI and involved in configuring routing for various modules using angular UI router. Developed **JUnit** test cases for **DAO** and **Service Layer methods.**
* Implemented a metrics collection mechanism for the server by utilizing **Apache Kafka** to stream server-side events.
* Developed **CI/CD** pipeline and build tasks to run the unit tests on **Jenkins** and maintained separate build in Maven for the module for easy integration to the portal build and configure with **Jenkins**.
* Utilized **React** for its efficient data flow architecture to create a lightweight and render efficient web app that searched projects via the **GitHub** **API** through keywords.
* Developed multiple enterprise applications using **Spring Boot**, **Hibernate** framework, **Spring** **IOC**, **Spring MVC**, **Spring** **JDBC**, **Spring** Annotations, **Spring** AOP, **Spring** Integration, frameworks, **RESTful** webservices.
* Worked on a safe **AGILE** based methodology which brings new approaches and changes to the team every **PI**.
* Java message queue (**JMS**) is used for exchanging the information and messaging services.
* Extensively Used **Jenkins** as Continuous Integration tool to deploy **Spring Boot** **Microservices** to **Pivotal Cloud Foundry** (**PCF**) using build pack. Worked on both **JBoss** application server to implement the web application.
* Developed and designed the web interface using **HTML5**, **CSS3**, **JavaScript**, **jQuery**, **Angular** and **Bootstrap**.
* Implemented a continuous delivery pipeline with **Docker** for custom application images in the cloud using **Jenkins**.
* Used **AJAX** to implement some customizations which required dynamic behavior like controls dependent on user value selection on some other controls.
* Used Micro services to communicate using synchronous protocols **HTTP** and **REST**. Developed **Servlets** for server-side transactions and made use of **AJAX** for server-side processing without refreshing **JSP** page.

**Environment:** AJAX, Angular, Apache Kafka, API, Bootstrap, CI/CD, CSS, CSS3, Docker, Git, GitHub, Hibernate, HTML, HTML5, Java, JavaScript, JDBC, Jenkins, JMS, jQuery, JSP, JUnit, Kafka, Microservices, MVC, PCF, PostgreSQL, React, RESTful, S3, Servlets, Spark, Spring, Spring Boot, Spring MVC, SQL

**Client: Object Soft India LTD July 2013 to July 2015**

**Role: Software Developer**

**Location: Hyderabad**

**Description:** Involved in various phases of the Software Development Life Cycle (SDLC) including requirements gathering, technical design, and implementation. Followed Agile Scrum Methodologies for application development, encompassing analysis, design, coding, unit, and integration testing of business applications in an object-oriented environment.

**Responsibilities:**

* Involved in different phases of SDLC as requirements gathering, technical design, and implementation. Followed Agile Scrum Methodologies for application development. Analysis, design, coding, unit, and integration testing of business applications in an object-oriented environment.
* Responsible for gathering and understanding the system requirements by interacting with clients.
* Developed presentation layer using **JSP, HTML** and **CSS, jQuery**.
* Performed client-side user validations using JavaScript and jQuery.
* Developed Java classes to simulate Web Services client and configurations for the application.
* Configured database connectivity using **JDBC** with Oracle 9i database as backend.
* Used SVN for version control and used eclipse as the IDE for developing the application.
* Involved in deploying and testing the application using Weblogic application server.
* Developed Web Services using **JAX-WS, SOAP, WSDL, UDDI** and **XML**.
* Involved in Database designing and tables creation in the database.
* Deployed the entire application on Tomcat Server.
* Maintained administrative utilities like permissions/security/code management and storage and managing of system-wide lists.

**Environment:** Java 1.5, J2EE, JSP/Servlets, Struts1.2, JDBC, Oracle 10g,SQL Developer, Putty, Web Services JAX-WS, JMS, AJAX, Eclipse Juno, Tomcat 6.0, Log4J.