# Summary

Dedicated and versatile Senior/Lead JAVA with 12+ years of experience in crafting end-to-end solutions for web applications. Proficient in both front-end and back-end technologies, with a strong foundation in Java frameworks such as Spring Boot, Cassandra, and Java EE. Skilled in database management, leveraging relational databases like MySQL and PostgreSQL, as well as NoSQL databases such as Cassandra and MongoDB to optimize data storage and retrieval. Accomplished in creating responsive user interfaces using HTML, CSS, and JavaScript libraries/frameworks like Angular, React, and Node.js. Known for architecting scalable and maintainable solutions, adhering to best practices and design patterns. A collaborative team player with excellent problem-solving skills, committed to delivering high-quality software solutions that meet business requirements and exceed expectations.

# Skills

 Application Design & Development  Full-Stack Development

 Programming Languages: Java, JavaScript, Python  Responsive Web Design

 Continuous Integration Systems  Databases: SQL, NoSQL

Requirements Gathering and Analysis Performance Evaluation and Optimization Cloud Platforms: AWS, GCP

Microservices Architecture

JS Frameworks: React, Angular Object-Oriented Programming

**Spandan Amanaganti**

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# Experience

**SENIOR/LEAD JAVA** | 01/2018 - Current

## Home Depot - Atlanta, GA

 Proficient and hands-on with a spectrum of Front End, Back End, DevOps, and Cloud Technologies including ReactJS, HTML, CSS, ExpressJS, Spring Boot, Jenkins, Concourse, Google Cloud Platform (GCP), Kubernetes, and Pivotal Cloud Foundry (PCF)

 Lead a team of developers in designing, developing, and deploying web applications, ensuring adherence to project timelines and quality standards

 Orchestrated the end-to-end development lifecycle of single-page applications (SPAs) utilizing Angular 14, ensuring seamless user experiences, efficient data management, and adherence to project requirements and timelines

 Spearheaded the development of multiple applications from inception to completion, utilizing Angular 14, React 17, Redux, ContextAPI, ECMAScript (ES6+), Babel, WebPack, Microservices architecture implemented with Spring Boot, and Docker for containerization

 Developed and deployed a microservices architecture using the Spring Boot framework and Express.js, enhancing scalability, modularity, and ensuring efficient data management through RESTful web services

 Orchestrated the migration of monolithic applications to microservices architecture, leading to improved scalability, resilience, and maintainability of the system, while minimizing downtime and disruption to ongoing operations

 Involved in Driving technical discussions and decision-making processes, offering innovative solutions to overcome challenges and improve overall system architecture

 Collaborated with cross-functional teams including product managers, designers, and stakeholders to gather requirements, define project scope, and prioritize tasks

Utilized Cassandra and PostgreSQL for robust data storage, retrieval, updating, and management, ensuring optimal performance and scalability

Extensive experience in cloud environments, proficiently working with Google Cloud Platform (GCP) and Pivotal Cloud Foundry (PCF) to deploy and manage applications

Led the establishment of CI/CD pipelines using Jenkins, Concourse and GitHub Actions driving continuous integration and delivery processes to streamline development workflows

Designed and implemented complex ETL workflows using Apache Airflow for orchestration and Apache Beam for scalable data processing, ensuring efficient and reliable data handling across multiple systems

Proficient in Test-Driven Development (TDD), employing Mocha, Chai, Jest, Enzyme, Junit, Mockito, and Wire Mock frameworks for comprehensive Unit Testing, Integration Testing, and employing Cucumber for functional and

end-to-end testing

Environment: Java 11, JavaScript, ECMAScript, HTML, CSS, SASS, Flexbox, CSS Grid, AngularJS, ReactJS, GraphQL, Mocha, Chai, Spring Boot, Spring Batch, Swagger, Docker, Kubernetes, Pivotal Cloud Foundry, Google Cloud Platform, AppDynamics, Apache Airflow, Maven, Jenkins, Cassandra, DB2, Junit, TestNg and GIT.

**SENIOR FULL STACK ENGINEER** | 05/2017 - 12/2017

## JP Morgan Chase - Atlanta, GA

 Led the development of the Chase Ultimate Rewards layout from inception, employing responsive web design principles and technologies such as HTML5, CSS3, Flexbox, SASS, and AngularJS

 Built reusable UI components that could be used across multiple projects.

 Played a key role in migrating backend/server-side functionality to the front-end/client-side for seamless integration into a single-page application architecture, enhancing performance and user experience

 Contributed to the creation and consumption of REST APIs using Spring Boot, enabling efficient communication between the front-end and back-end systems, ensuring data integrity and security

 Implemented microservice architecture principles to develop and maintain scalable and resilient web applications, breaking down monolithic structures into smaller, independently deployable services

 Implemented scalable and high-performance backend solutions using Node.js for server-side JavaScript development, leveraging AWS (Amazon Web Services) for cloud deployment and infrastructure management

 Utilized AWS Lambda for serverless computing, deployed applications on EC2 instances for flexible compute capacity, and integrated other tools like API Gateway for efficient API management, DynamoDB for NoSQL database storage, and S3 for scalable object storage

 Implemented CI/CD pipelines with Jenkins and automated build, test, and deployment processes to streamline development cycles and ensure consistent application quality and deployment reliability.

 Environment: HTML5, CSS3, JavaScript, SASS, Flexbox, AngularJS, Jasmine, Karma, NodeJS, Java 8, J2EE, Spring Boot, Spring Batch, Amazon AWS, Maven, JUnit, TestNg, PL/SQL and GIT.

**FULL STACK SOFTWARE ENGINEER** | 07/2015 - 04/2017

## Cox Automotive (Autotrader/KBB) - Atlanta, GA

 Trained and Hands-on experience in Scrum Agile methodology for the iterative development of the application  Created POC using React Single Page Application (SPA) which can bind data to specific views and synchronize

data with server using HTML5, CSS3, React, Redux, Bootstrap and ECMAScript/ES6

 Used Adobe Experience Manager (AEM), as a comprehensive content management platform solution for building website making it easy to manage marketing content and assets

 Engaged in the development and utilization of REST APIs for the establishment and usage of web services.

 Committed to Test-Driven Development (TDD) practices, authored Unit tests using Mockito and Integration tests using Wire Mock, ensuring the reliability and functionality of the application under varying conditions

 Implemented and configured HTTP proxy servers within Amazon AWS to ensure secure communication channels. Utilized S3 buckets to establish scalable storage solutions, allowing efficient management of data at varying scales

 Deployed and managed virtual servers using EC2 Instances, ensuring robust and flexible computing resources for application deployment and scaling

 Environment: Java, JavaScript, ECMAScript, HTML5, CSS3, React, Redux, NodeJS, Babel, Linux, Log4j, JSON, Jackson, Adobe AEM, Amazon AWS, Mockito, Mocha, Chai, JUnit, IntelliJ, JBOSS, Maven.

**SUBJECT MATTER EXPERT** | 03/2014 - 06/2015

## AT&T - Atlanta, GA

 Involved in the Software Development Life Cycle (SDLC): Requirements, Analysis, Design, Development and Testing phases

 Involved in ATT-CRM (Customer Relation Module) for Customer care, billing and order management systems  Developed Graphical User Interfaces using HTML, CSS, JavaScript and AngularJS for user interaction

 Worked extensively with AngularJS Forms, Validations, Modules, Services, Events, Expressions, Directives, Controllers and filters

 Developed RESTful APIs using Java, Spring Boot, and Hibernate, ensuring efficient and scalable backend solutions for seamless integration and data management

 Utilized Hibernate for ORM (Object-Relational Mapping) and database persistence, ensuring efficient data handling and management

 Leveraged Oracle J Developer and Oracle ADF (Application Development Framework) for building internal applications, including tools like Manual Entry Tool for streamlined data entry processes

 Used ActiveVOS for developing code modules in the development environment and also as (Business Process Execution Language tool) based on web services for communication between applications

 Involved in installing, configuration and development of CSP (Common Security Protocol) AT&T Global Login

 Environment: Java, Hibernate, MySQL, JSON, HTML, CSS, AngularJS, REST, Java Script, Oracle WebLogic, SVN, Linux, Maven.

**SOFTWARE DEVELOPER AND INTEGRATOR** | 05/2013 - 02/2014

## USAA - San-Antonio, TX

 Applied Scrum Agile methodology to drive iterative development, actively participating in weekly Sprints, stand-up meetings, and backlog grooming.

 Engaged in the analysis, design, development, and testing phases of the Software Development Life Cycle (SDLC), ensuring comprehensive contributions to project success from inception to deployment

 Employed Spring Boot for dependency injection and inversion of control, ensuring modularity and testability of application components

 Extensively developed dynamic web pages using JSP, HTML5, modern JavaScript frameworks such as Angular and CSS for responsive design.

 Involved in DevOps Build Automation team in developing Restful web services to consume SOAP web services

 Engineered custom automation tasks using Ant enhancing pipelines and ensuring consistent deployment practices  Responsible for maintaining the code quality, coding and implementation standards by code reviews using smart

bear code collaborator

 Environment: Java, Spring Boot, SOAP, REST, JBoss, Ant, XML, JSON, PL/SQL, SVN.

# Academic Projects

 Software Design Patterns: Worked with a team involved in maintenance of Texas Scottish Rite Hospital project (TSRH) which involved various activities like re-engineering, enhancement, testing, and integration and applied Design Patters during these activities

 Android Application: Developed an Android application as part of coursework for a Software Engineering course. The application, Bill Pay Reminder System, facilitates bill sharing and ensures timely payment reimbursement among users

 Databases: Developed a car rental system using PHP and MySQL as a project for the Database Design course.

Demonstrated proficiency in database normalization techniques and SQL queries for efficient data management, retrieval, and comparison

 Sunspot Programming: As part of the Fundamentals of Wireless Networks coursework, I developed a wireless sensor-based system using Sunspots for game control applications

 Online Shopping Website: Developed a web application based on Model View Controller (MVC) architecture.

Implemented features including product search, product categorization, and clickable listing of results to enhance user interaction and facilitate efficient navigation through the application

# Education

## Texas A&M University - Kingsville, TX | Master of Science

Computer Science, 12/2013

3.5 GPA

## Jawaharlal Nehru Technological University - India | Bachelor of Technology

Computer Engineering, 01/2011

3.8 GPA

# LinkedIn

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