Komal Kumar Vandrasi
Software Developer II (Java)
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PROFESSIONAL SUMMARY

As a **Software Developer** with around **5 years** of comprehensive experience, I am seeking to leverage my expertise to develop customization of robust applications and scalable **web applications**. Proficient in Java, Spring, Spring Boot, and Hibernate for robust backend development, combined with expertise in modern frontend technologies including HTML, CSS, JavaScript, Angular, and React. Skilled in unit testing frameworks such as JUnit, Jasmine, and Karma, with a strong emphasis on clean code, troubleshooting, and on-time sprint delivery. Experienced in cloud environments (AWS, Azure), container orchestration using Kubernetes, and database management with both SQL and NoSQL systems.

SKILLS

Programming Languages: Java(J2EE), Python, JavaScript, SQL.
Frameworks & Libraries: Spring Boot, Spring MVC, JUnit, Jest, HTML5, CSS3, React JS, Angular JS, Node JS, TypeScript.
Database Management: MySQL, Oracle, PostgreSQL
Tools & Platforms: Linux, Salesforce, SASS, Git, Docker, Jenkins, Kubernetes, Splunk, New Relic, Jira
Messaging Technologies: JMS, RabbitMQ, Apache Kafka
Cloud Services: Amazon Web Services (AWS), Microsoft Azure

WORK EXPERIENCE

Discover Technologies
Software Developer II (Java) - Feb 2023- Present

- Created responsive UIs with **React**, **HTML5**, **CSS3**, **Bootstrap**, and **JavaScript**, enhancing performance and user experience with Redux for state management.
- Built scalable **RESTful APIs** with **Spring Boot** and **Java 17,** integrating **MySQL** and **MongoDB** for persistent storage and efficient data access.
- Designed and implemented microservices with **Spring Boot** and **Spring Data JPA**, optimizing database interactions and query performance
- Implemented and deployed scalable applications on **AWS**, leveraging **EC2**, **S3**, **RDS**, and Lambda to optimize resource utilization and ensure high availability.
- Integrated **Kafka** for scalable messaging and **Elasticsearch** for full-text search, enhancing system scalability and leveraged **Splunk** for performance monitoring, integrating it with CI/CD pipelines to enhance incident detection and improve uptime by 20%.
- Experience in guiding and writing Test Plans, Test Cases, Test Scenario for 508 Technical Standards and Sub Technical Standards as per Accessibility Guidelines (**WCAG**) from **W3C** (**World Wide Web Consortium**).
- Identified potential Accessibility issues and recommended best practices for further Accessibility research based on **W3C's** and **WCAG2.0**.

University of Dayton
Software Developer - Aug 2023-Dec 2023

- Developed high-performance backend applications using **Java 11**, **Spring Boot**, and **Node.js**, building **RESTful APIs** and _optimizing **GraphQL** queries.
- Integrated **MongoDB** and **PostgreSQL** with **Spring Data JPA** for secure, seamless data management, while implementing RBAC and security best practices in Elasticsearch to protect sensitive finance and healthcare data.
- Designed responsive web applications with **HTML5**, **CSS3**, **JavaScript**, **Angular 16**, and **jQuery**, integrating JSP for enhanced functionality.

- Built Single Page Applications (**SPA**) using **Angular Router Module**, improving navigation efficiency and reducing page load times by 25%.
- Deployed and managed **EKS** clusters using **AWS CLI**, **CloudFormation**, and **Terraform**, and integrated healthcare applications with **Amazon S3** and **Amazon RDS** using the **AWS SDK** for Java.
- Developed unit tests with **JUnit** and **Mockito** (95% coverage), implemented **Postman** integration tests, and enhanced web development with **logging** and **admin support** using **Spring Boot**.

HCL Technologies Ltd

Software Engineer - Dec 2020-March 2022

- Developed scalable server-side applications using **Java 8, Spring Boot**, and **Spring MVC**, creating **RESTful APIs** and **microservices** for distributed systems while securing authentication with **OAuth2** and **JWT** in **Spring Security**. •
- Built dynamic single-page applications with **Angular**, **HTML5**, **CSS3**, and **TypeScript**, leveraging a component-based architecture for better performance and maintainability.
- Integrated **RESTful APIs** with **Node.js**, boosting frontend efficiency by 30%.
- Built and deployed cloud-native applications with **Kotlin** on **Azure**, integrating **Azure SDK** with Blob Storage and **SQL Database**. Automated **AKS** cluster management using **Terraform** and ARM templates while optimizing scalability with **Docker** and **CI/CD** pipelines.
- Designed and optimized **database** schemas with **Oracle** and **SQL**, ensuring high-performance queries and efficient data management.
- Designed optimized database schemas and **SQL** queries for high-performance applications while developing **Kafka** producer-consumer systems with **Zookeeper**, boosting data processing by 35%.

Supraja Technologies

Java Developer – March 2019-March 2020

- Designed and implemented responsive and user-friendly web interfaces using **HTML5**, **CSS3**, **JavaScript**, **Bootstrap**, **JSP**, **JSF**, **React**, and **Redux**.
- Enhanced user interaction with asynchronous messaging via **JMS** and ensured data integrity with **JavaScript** and **jQuery** validation.
- Developed **J2EE** applications using **Spring**, **Spring Security**, **Hibernate**, **WebLogic**, and **JSP**, implementing Spring Boot microservices with **Kafka** for message processing
- Designed and optimized **PostgreSQL** databases with **Spring Data JPA** for efficient data persistence, leveraging Apache Cassandra for scalable, high-availability storage with seamless horizontal scaling.
- Collaborated with **DevOps** teams to implement **CI/CD** pipelines using **Kubernetes**, deploying **Docker** applications on **AWS** with **ECS**, **EKS**, and **Lambda**, optimizing scalability, release cycles, and reducing deployment times by 50%.

EDUCATION

University of Dayton

M.S. Information Technology (GPA - 4.0)

Relevant Coursework: Advanced Storage Technologies, Tech for Mobile Applications, Human Computer Interaction and Usability, Object-Oriented Programming, Infrastructure Sustainability, System Administration.

JNTUK

B.Tech. Computer Science & Engineering.

Relevant Coursework: Data Structures and Algorithms, Java Enterprise Programming, Software Engineering, Operating systems, Digital system Design, Computer Networks, Distributed Systems.

CERTIFICATES

- AWS Certified Developer – Associate
- Microsoft Azure Developer Associate (AZ-204)
- Oracle Certified Professional Java SE Programmer