Ujjwal Kumar

Software Engineer

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SUMMARY

Innovative Software Engineer with 3.2 years of experience in architecting high-performance, scalable applications using Java, Spring Boot, and front-end frameworks like React.js and Angular. Proven track record in optimizing system performance with Microservices architecture and low-latency RESTful APIs, achieving up to 25% performance improvements. Renowned for driving technological innovation and enhancing security in dynamic, agile environments. Strong communicator dedicated to continuous growth and collaboration.

EXPERIENCE

Hinduja Tech Limited (*Sep 2022 –Oct 2024***)**
Software Engineer

- Contributed to the development of high-performance applications written in **Java** using the **Spring Boot** framework, implementing key features within a Microservices architecture that resulted in a **30% reduction in load time**, enhancing the overall system performance and user experience.
- Proactively identified and resolved critical security vulnerabilities by integrating **Spring Security** and **JPA**, improving data protection and ensuring compliance, which boosted system reliability and client trust by **40%**.
- Optimized platform performance by working with **SQL** and **NoSQL** databases, improving query efficiency, reducing latency, and achieving a **25% decrease in response time**, leading to a more seamless user experience.
- Collaborated with cross-functional teams to drive **code quality** through comprehensive **code reviews** and seamless integration of back-end services with the front-end, utilizing **Spring RESTful APIs**.
- Developed and maintained **React.js** front-end applications using **JavaScript**, ensuring dynamic, responsive, and efficient user interfaces that interacted seamlessly with backend microservices.
- Used **Git** for version control to manage and track changes across the development cycle, ensuring smooth collaboration and code integration within the team.

Vcare Techs (*Aug 2021 – Sep 2022***)**
Software Developer

- Began my career as a Junior Java Developer at Vcare Techs, developing robust Java applications and RESTful APIs using Spring Boot and Hibernate.
- Applied SQL, Git, and front-end technologies like HTML, CSS, JavaScript, and Bootstrap to create efficient and responsive solutions.
- Gained valuable expertise in scalable architecture design and performance optimization, contributing to improved system efficiency.
- Focused on best practices, code quality, and continuous development improvements, laying the foundation for future growth in software engineering.

SKILLS

Languages: Java, C++
Data Structures and Algorithms
Backend: Spring Boot, Spring RESTful, Spring Security, Hibernate, JPA, iBatis, MySQL, PostgreSQL, MongoDB
Frontend: React.js, React Native, Angular, HTML5, CSS3, JavaScript, jQuery, Ajax, JSP, Kendo UI
Tools: Eclipse, VS Code, STS, Oracle/MySQL, PuTTY, Swagger
Cloud Services: AWS (S3, EC2, Lambda, RDS)
DevOps: CI/CD (Jenkins, GitHub Actions, Docker)
Version Control: Git, SVN
API Testing: Postman
Architectures: Microservices
Streaming: Kafka
Soft Skills: Communication, Analytical Thinking, Team Player, Leadership

EDUCATION

Dr. A.P.J. Abdul Kalam Technical University   (*Aug 2017 – Sep 2021*)
B. Tech in Computer Science and Engineering

PROJECTS

Project: Ashok Leyland iAlert (*Full Stack Developer*)

Description: iAlert, built with **Java Spring Boot** and **React**, enables real-time monitoring of vehicle performance, driver behavior, and maintenance needs. It helps fleet managers optimize efficiency, reduce downtime, and enhance safety by providing actionable insights and notifications.

Roles and Responsibilities:

- Managed the complete software development lifecycle, from requirements through to maintenance.
- Converted client requirements into practical and effective solutions.
- Ensured clear and accurate requirements gathering and alignment.
- Developed and applied optimal design strategies.
- Implemented scalable and robust solutions following best practices.
- Conducted thorough testing to ensure high-quality outcomes.
- Provided continuous maintenance and support for system stability.

Tech Stack: Java, Spring Boot, Hibernate, Microservices, Postgres, MongoDB, React.

Project: EzyiD (*Full Stack Developer*)

Description: EZYiD is a cloud-based platform designed to simplify asset tracking, inspections, and compliance. It provides real-time visibility, reduces human error, and streamlines workflows for deskless workers, ensuring compliance and efficient asset management.

Roles and Responsibilities:

- Processed and managed data for asset tracking and reporting.
- Developed backend services with **Spring Boot** to handle real-time data and business logic.
- Integrated APIs for seamless data exchange between platforms.
- Collaborated with teams to meet business requirements and enhance platform functionality.
- Optimized data flow and ensured compliance with reporting standards.
- Performed testing and debugging to ensure high performance and reliability.

Tech Stack: Java, Spring Boot, Hibernate, Microservices, MySQL, React.js.

Project: Albonair Website Project (*Full Stack Developer*)

Description: The Albonair website displays their emission control products and services, featuring a partner login for inventory tracking, sales data management, and service updates. Partners can access detailed product information and manage their data efficiently through the platform.

Roles and Responsibilities:

- Contributed to building the Albonair website from scratch, handling everything from initial requirements gathering to final implementation.
- Developed and integrated features for partner logins, inventory tracking, and sales data management.
- Managed end-to-end development, including designing, coding, and making iterative changes based on feedback.
- Collaborated with the team to ensure the platform met functional requirements and provided a seamless user experience.

Tech Stack: Java, Spring Boot, Hibernate, React.js, AWS(S3)

Project: Ashok Leyland Innovation Project (*Full Stack Developer*)

Description: An internal Ashok Leyland initiative, ALIP is a confidential project designed to track and manage vehicle issues through a step-by-step diagnostic process, ensuring comprehensive problem resolution.

Roles and Responsibilities:

- Troubleshoot and fix backend and frontend issues in existing webpages
- Gather and implement client requirements and new changes.
- Manage Apache server, perform database backups using PuTTY, and oversee server operations.
- Handle development tasks, system maintenance, and ensure overall system stability.

Tech Stack: Java, Spring Boot, Hibernate, MySQL, Microservices, Kafka, MongoDB, React.js, AWS (S3, EC2)