

# Ujjwal Kumar

Software Engineer

+91-7544940324 | ujjwals346@gmail.com | LinkedIn | GitHub

## 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**

B. Tech in Computer Science and Engineering

(Aug 2017 – Sep 2021)

## PROJECTS

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### **Project:** Hyundai Dealer Management System (*Full Stack Developer*)

**Description:** Hyundai DMS, built with Java and Spring Boot, optimizes dealership operations nationwide for new and used vehicles. It streamlines sales, service, and scrappage processes, ensuring efficiency and delivering exceptional customer experiences across the Hyundai automotive network.

#### **Roles and Responsibilities:**

- Managed the complete software development lifecycle, from requirements through to maintenance.
- Worked with clients to understand and address their Hyundai Dealer Management needs.
- 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:** Hyundai D2C Click-to-Buy (*Full Stack Developer*)

**Description:** The Hyundai D2C Click-to-Buy website enables customers to explore, customize, and purchase vehicles online. It features real-time inventory, pricing, and financing options for a seamless buying experience. The platform enhances user convenience with secure transactions and personalized support.

#### **Roles and Responsibilities:**

- Developed client-side features using Angular for a dynamic user interface.
- Implemented server-side logic with Microservices, Spring Boot, and Hibernate for efficient data management.
- Enabled real-time updates for vehicle inventory, pricing, and transactions.
- Collaborated with teams to meet business requirements and enhance platform functionality.
- 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)