

# Ujjwal Kumar

Software Engineer

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

## SUMMARY

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Highly skilled and results-driven Software Engineer with over 3.2 years of hands-on experience in designing, developing, and optimizing enterprise-level applications using Java, Spring Boot, and front-end technologies like React.js. Adept at building scalable, high-performance systems with a strong focus on Microservices architecture, low-latency RESTful APIs, and system optimization. Proven ability to improve efficiency by up to 25% through advanced coding techniques and performance tuning. Committed to ensuring robust security measures and compliance in agile environments, with a keen understanding of data protection and system reliability. Known for delivering quality software solutions, fostering strong collaborations within cross-functional teams, and consistently staying ahead in technological advancements. A passionate lifelong learner, dedicated to driving innovation and improving system performance.

## EXPERIENCE

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### 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.
- 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

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**Languages:** Java

**Data Structures and Algorithms**

**Backend:** Spring Boot, Spring MVC, Spring RESTful, Spring Security, Hibernate, JPA, iBatis, MySQL, PostgreSQL

**Frontend:** React.js, 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

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

**Tech Stack:** Java, Spring Mvc, Hibernate, Microservices, MySQL, JSP, Kendo UI, jQuery.

**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.

**Project:** Hyundai D2C Click-to-Buy (*Full Stack Developer*)

**Tech Stack:** Java, Spring Boot, Hibernate, Microservices, MySQL

**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 Spring Boot, ensuring efficient data management and real-time updates for vehicle inventory and transactions.
- Enabled real-time updates for vehicle inventory, pricing, and transactions.
- Collaborated with cross-functional teams to enhance platform functionality, meeting business requirements.
- Performed testing and debugging to ensure high performance and reliability.

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

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

**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.

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

**Tech Stack:** Java, Spring Boot, Hibernate/Jpa, MySQL, Microservices

**Description:** The Ashok Leyland Innovation Project (ALIP) is an internal system designed to track and resolve vehicle production issues through a structured state management process. It ensures that issues are systematically documented, diagnosed, and resolved, helping streamline the problem-solving process in vehicle manufacturing and ensuring timely issue resolution at each critical stage of production.

**Roles and Responsibilities:**

- Developed and implemented new features in the microservices application using Spring Boot.
- Troubleshoot and fixed backend and frontend issues, ensuring smooth functionality across the system.
- Gathered and integrated client requirements, implementing new features and changes as per business needs.
- Improved system performance by addressing latency issues, especially when handling high-volume data, through the implementation of caching mechanisms.
- Ensured overall system stability, maintaining smooth application operations and minimizing downtime.