

## Anish Choudhary | Java Developer

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### Professional Summary:

- **Java Developer** with 2.5 + years of experience in building scalable, high-performance enterprise applications using **Spring Boot, Microservices, and Hibernate**.
- Expertise in **SQL Server**, MySQL, and database optimization techniques like query tuning, indexing and transaction management, reducing query execution time by 40%.
- Designed and developed **RESTful APIs** with **multithreading** and real-time data processing improving response times by 50% through load balancing, **Redis** caching, and efficient data processing.
- Strong experience in API security (**JWT, OAuth2**), authentication mechanisms, and compliance standards to ensure secure and reliable API access.
- Hands-on experience with Docker (basic), CI/CD (Jenkins), **Apache Tomcat, RabbitMQ, and Kafka**, streamlining deployment and message-driven system architecture.
- Developed AIS-140 GPS Tracking System, integrating real-time vehicle tracking, diagnostics, and compliance for enhanced fleet management.
- Built E-Toll Fast-Tag System, integrating NPCI payment APIs for seamless toll transactions, improving financial processing efficiency by 20%.
- Experience working with **Git, GitHub, Postman, Swagger, and IntelliJ IDEA**, ensuring collaborative development and efficient API testing.

### Technical Expertise:

- **Languages & Frameworks:** Java (1.8, 11), SQL, Spring Boot, Spring MVC, Hibernate, JPA
- **Databases & Optimization:** SQL Server, MySQL, query tuning, indexing, caching (Redis), transaction management
- **API Development & Integration:** Restful APIs, Postman, Swagger, third-party API integration
- **Tools & Servers:** Git, GitHub, Maven, IntelliJ IDEA, Apache Tomcat, Docker(basic), CI/CD (Jenkins)
- **Security & Performance:** API security (JWT, OAuth2), load balancing, Unit Testing (JUnit), RabbitMQ, Kafka

### Professional Experience:

#### Delhi Integrated Multi-Modal Transit System Ltd.

Assistant Engineer | May 2022 – Present

#### PROJECTS:

##### 1. AIS-140 Tracking Application:

A real-time vehicle tracking solution compliant with AIS-140 standards, enhancing fleet management and safety. Designed to meet regulatory requirements and improve logistics through advanced web and mobile interfaces, providing a comprehensive, user-friendly vehicle tracking experience.

#### Responsibilities:

- Designed an intuitive, user-friendly web interface for the AIS-140 Tracking System, ensuring seamless navigation and real-time vehicle data management.
- Integrated real-time tracking data into the platform, enhancing operational efficiency with precise vehicle locations, speeds, and status updates.
- Developed and maintained secure, high-performance **RESTful APIs** for reliable communication between tracking devices and the application.
- Optimized databases for efficient storage and retrieval of vehicle tracking data, ensuring high performance and data integrity under heavy loads.

## **2. ETA Management System:**

Focused on cutting-edge real-time vehicle tracking system providing precise Estimated Time of Arrival and Estimated Time of Departure for varied routes. This project aimed to enhance logistical precision, contributing to a more efficient and responsive transportation system.

### **Responsibilities:**

- Created a standalone Estimated Time of Arrival feature for extended routes, boosting accuracy and efficiency over previously established methods by 70-80%
- Successfully deployed on AWS with Linux configurations optimising performance and reducing downtime by 30%.
- Managed a dynamic, multithreaded environment for live data processing, improving real-time data handling by 50%.

## **3. E-Toll Fast-tag Application:**

This project aimed at streamlined e-toll collection system to ensure continuous vehicle movement through toll plazas. This initiative improved operational efficiency and facilitated cashless payments, contributing to a more modernized and optimized toll collection system.

### **Responsibilities:**

- Engineered REST APIs for NPCI integration, streamlining financial transactions and ensuring compliance with industry standards, resulting in a 20% reduction in transaction processing time.
- Built a scalable API to toll transaction processing from multiple toll plazas, ensuring accuracy and reliability in toll collection data.
- Designed and implemented various comprehensive reports, providing users with insightful and actionable data to optimize toll collection operations.
- Developed mobile APIs for tag recharge functionality, enhancing user experience and increasing mobile transactions by 40%.

## **Haltdos**

**Software Trainee (Intern) | Feb 2022 – Apr 2022**

### **PROJECT:**

#### **1. Cybersecurity Application:**

- Collaborated on a project focused on strengthening cybersecurity measures, specifically addressing various forms of attacks, including Denial of Service (DoS) attacks, to ensure robust system security.
- Revamped the company's webpage, improving the user interface and overall user experience, boosting user engagement and satisfaction.
- Engineered an API to facilitate seamless SSL certificates conversion (PEM, PKCS#7), ensuring secure and efficient certificate management.
- Developed dynamic watermark generation API, utilizing both disk and memory resources efficiently to enhance data security and integrity.

## **Education:**

**Bachelor of Technology (B. Tech) in Computer Science**

**Lingaya's Vidyapeeth | 2018 – 2022**