



KAMALI K

Chennai, Tamil Nadu 600041

+91 9150581118

kamalikumarvidhya@gmail.com

<https://www.linkedin.com/in/kamali-kumar2622>

<https://kamalikumar123.github.io/portfolio/>

PROFESSIONAL SUMMARY

Backend Java Developer with **hands-on production experience** building scalable **microservices-based e-commerce applications** using **Java 8, Spring Boot, Spring MVC, RESTful APIs, MySQL/SQL, and AWS**. Successfully developed backend infrastructure serving **1000+ users** with **500+ transactions** and **99% uptime**. Expertise in **Spring Security, OAuth 2.0 authentication, Jenkins CI/CD**, and **AI-assisted development using Generative AI tools**. AWS and ITIL certified.

TECHNICAL SKILLS

- Core Java(OOPS), C
- Spring Boot
- Git/GitHub
- Data Structures & Algorithms
- Database Design
- RESTful API Development
- Agile/Scrum
- Hibernate
- Basic SQL
- Power BI, Automate
- Postman
- AWS EC2, S3
- Spring Security
- Jenkins CI/CD
- API Integration

EXPERIENCE

SOFTWARE ENGINEER, 06/2025 - 11/2025

D2RAILABS, Chennai

- Developed production-ready e-commerce backend serving 1000+ users with 20+ RESTful APIs using **Spring Boot, Spring Security, MySQL, and AWS (EC2, S3)**
- Designed a normalized MySQL database schema with 15+ tables and optimized queries using Spring Data JPA and Hibernate, reducing response time by 35%
- Deployed backend application with **Jenkins CI/CD pipeline on AWS infrastructure**, achieving 99% uptime and handling 10,000+ daily API requests
- Collaborated in an **Agile/Scrum environment with code reviews, daily stand-ups, and Git version control** while implementing security best practices.
- Applied **Generative AI tools** to support backend development tasks such as Java code refactoring, API logic validation, debugging, and documentation.
- Basic knowledge of **Docker** for containerizing Spring Boot applications.
- Performed basic **unit testing** and API validation using JUnit and Postman.
- Worked on **microservices**-based backend architecture using **Java 8** and Spring Boot with RESTful communication.

KNOWLEDGE TRANSFER SPECIALIST, 12/2023 - 05/2025

Freelance

- Delivered live programming workshops on **C, Java, and Python** with emphasis on DSA and hands-on coding.
- Mentored students on placement preparation, focusing on technical interviews, coding assessments, and **LeetCode** challenges.

TECHNICAL TRAINER, 08/2023 - 10/2023

Terv

- Conducted high-impact training sessions for 2,000+ engineering students across multiple colleges.
- Received 100%+ positive feedback for engagement, and technical clarity.

INTERN, 02/2023 - 05/2023

Virtusa Consulting Services Pvt. Ltd.

- Assisted in automating IT ticketing workflows, enhancing operational efficiency.
- Gained exposure to agile methodologies, ticketing systems, and automation practices.

EDUCATION

K.S.R. College of Engineering, Tiruchengode, 2019-2023

Bachelor of Engineering (B.E.): Computer Science

CGPA: 8.67 / 10

CERTIFICATIONS

- **Java Programming & OOPs** - Great Learning
- **Aws partner accreditation**: Cloud economics and business essentials - Microsoft
- **Google Data Analytics** Certificate – Coursera
- **Microsoft Azure AI** Fundamentals: AI Overview - Microsoft Learn
- **Introduction to Machine Learning** – Microsoft Learn
- **ITIL Foundation Certificate** - Certificate No: GR671502485KK

PROJECTS

E-Commerce Backend API | Spring Boot, MySQL, AWS

Independently developed a complete backend with 20+ RESTful APIs for product management, shopping cart, and order management. Implemented OAuth 2.0 authentication with Spring Security. Deployed on AWS (EC2, S3, RDS) with Jenkins CI/CD pipeline.

Result: Served 1000+ users, processed 500+ orders with 99% uptime.

Online Feedback Management System | PHP, MySQL

Developed fully responsive web-based form, replacing manual feedback collection processes with dynamic data storage and structured feedback analysis.

Result: Reduced processing time by 40%, significantly improving feedback collection rates.

Delay-Sensitive Provisioning in Edge Networks | Java, NetBeans

Engineered secure file-sharing platform for low-latency mobile and edge computing environments. Implemented optimized algorithms for data prioritisation and secure communication protocols.

Result: Achieved 20% decrease in latency, improving data delivery performance.
