

Vivek Kumar

Backend Developer
Software Engineer | AWS Certified Developer
Gurugram, India

+91-8936940345
vivekrathore1801@gmail.com
GitHub Profile
LinkedIn Profile

EDUCATION

• **Bachelor of Technology in Computer Science and Information Technology** 2019–2023
KIET Group of Institutions, Ghaziabad CGPA: 7.86

PERSONAL PROJECTS

• **CapTracks (Cash Accounting Program and Tracking System)** May 2024 – Present
Full-Stack Web Application | Java, Spring Boot, Angular, SQL, AWS

- Designed and developed backend services using Java and Spring Boot for a financial accounting system, handling **1,000+ financial records** with reliable SQL-based persistence.
- Built and optimized **10+ RESTful APIs**, improving average response time by **30%** and enabling secure frontend-backend communication.
- Implemented monitoring and alerting using ServiceNow, helping resolve production issues **40% faster**.
- Automated build and deployment using Docker, Maven, and CI/CD pipelines, reducing manual effort by **50%**.

• **Cloud-Deployed Currency Converter** Mar 2026
Python, Flask, AWS EC2, Gunicorn, Nginx, HTML/CSS, Elastic IP, Security Groups

- Developed a real-time **currency conversion web application** using Flask and a third-party **exchange-rate API**.
- Designed a responsive frontend using **HTML/CSS** for smooth currency selection and conversion workflow.
- Deployed the application on **AWS EC2** with **Gunicorn** and **Nginx** for production hosting.
- Configured **Elastic IP**, **Security Groups**, and **custom domain DNS mapping** for secure public access.

EXPERIENCE

• **Tata Consultancy Services (TCS)** Gurugram
Java Backend & SQL Developer May 2024 – Present

- Developed backend services for an enterprise financial application using **Java**, **Spring Boot**, and **SQL**, supporting **business-critical financial workflows**.
- Built and maintained **8+ RESTful APIs**, implementing backend business logic and database integrations for secure application functionality.
- Optimized **SQL queries** and backend data processing logic, improving transaction handling and data retrieval performance by **20%**.
- Delivered feature enhancements and backend defect fixes for production modules, improving application reliability and release efficiency.

• **Central Electronics Limited (CEL)** Ghaziabad
Software Developer Intern July 2022 – August 2022

- Engineered and tested **Java-based backend components** for internal application workflows, following structured **SDLC** practices.
- Implemented **JDBC** and **SQL**-based database operations for backend data handling and module-level integration.
- Supported feature development through debugging, testing, and documentation, contributing to improved application reliability.

TECHNICAL SKILLS

Languages: Java, JavaScript

Backend: Spring Boot, REST APIs, JDBC, SQL

Databases: PostgreSQL, MySQL, Oracle 19C, MongoDB, Redis

Cloud & DevOps: AWS (EC2, S3, ECS, ECR, IAM, Lambda, API Gateway, ALB, VPC, RDS), Docker, Kubernetes, Linux, Nginx, Elastic IP, Firewall

Tools & Monitoring: Git, GitHub, Eclipse, VS Code, Postman, Dynatrace, Splunk, ServiceNow

Core CS: DSA, OOPS, DBMS, OS, Computer Networks

ACHIEVEMENTS / CERTIFICATIONS

- AWS Certified Developer – Associate (2025).
- Received **3 Spot/Initiative Awards** at TCS for technical excellence and contribution.
- Secured **Global Rank 1637** in Google Hash Code Coding Competition.