

Samarth Verma

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EDUCATION

National Institute of Technology, Meghalaya

Bachelor of Technology - CGPA: 9.45/10

Shillong, India

Nov. 2020 – June 2024

SKILLS

Languages and Databases: Java, Python, C++, SQL (Postgres, Oracle, MySQL), NoSQL(Redis, MongoDB)

Frameworks and Tech Stack: Spring Boot, Spring (Security, Cloud, JDBC, JPA, MVC), Hibernate ORM, JUnit, Mockito, J2EE, Tomcat, Liquibase, JWT, OAuth, Apache Kafka, RabbitMQ, AWS (EC2, S3, Lambda, DynamoDB)

Tools and Technologies: Git/Github, Unix/Linux, Maven, Gradle, Docker, Kubernetes, Postman, IntelliJ, Eclipse

Others: Data Structures and Algorithms (DSA), Object Oriented Programming (OOP), Design Patterns, SOLID Principles, RESTful Web Services, GraphQL APIs, gRPC, JSON, Agile, Scrum, Code Review, System Troubleshooting & Debugging, Performance optimization and scalability, Version Control, AI & Machine Learning, Operating Systems, Distributed Systems, Documentation, Jenkins, Unit Testing, Integration Testing

Soft Skills: Problem-Solving, Analytical and Quantitative Skills, Self-Starter, Interpersonal Skills, Teamwork, Leadership & Mentoring, Creativity & Innovation, Attention to Detail, Collaboration

EXPERIENCE

Software Development Engineer (SDE) 1 - Backend

July 2024 – Present

Infosys Ltd.

Hyderabad, India

- Played a pivotal role in developing the **Payments Service** and **Authentication Service** from the ground up in **less than 2 months**, single handedly integrating the **SETU UPI Payment Gateway** to diversify payment options.
- Designed and implemented **Spring Boot REST APIs (40+)** and **GraphQL APIs (20+)** for features such as Order Ratings and Review, Grievance Submission, Customer Address Management, and Store User Profile Management, etc. Also integrated **Google Maps APIs** to provide efficient mapping features such as Auto-complete and Reverse Geocoding.
- Developed a sophisticated **Search and Suggestion Functionality** using **Azure Cognitive Search** for both customers, enabling them to search products available in nearby stores based on location, and store owners, allowing them to efficiently navigate their product catalogues based on specific categories. Furthermore, utilized **Redis** for caching to reduce database calls by **70 - 80%**.
- Wrote extensive **unit tests (160+)** for **all service-layer methods**, and **integration tests (40+)** ensuring code quality and application reliability, while significantly increasing test line coverage to **over 95%**.
- Actively participated in **code reviews**, providing valuable technical feedback, suggestions and solutions to improve efficient and clean code quality and maintain coding standards across and best practices the project.

PROJECTS

Log Ingestor and Query Interface | *Java, Python, Spring Boot, Apache Kafka, MongoDB, OpenAPI*

- A Log Ingestor System that can efficiently handle vast volumes of log data, and a Simple Interface for efficiently querying this data using full-text search with the provision to apply specific field filters.

E-Pharmacy | *Spring Boot, Spring Cloud, JWT, React, Redux, Tailwind CSS, MySQL*

- A web-based application enabling online medicine search and purchase, built with a scalable microservices architecture, load balancing, resilience, and five microservices connected via a centralized gateway
- Developed a responsive React frontend with features like user registration, secure transactions, and real-time order tracking.

ACHIEVEMENTS

Leetcode: Achieved Top **3%** ranking as a **Knight** with a rating of 1900+ and solved 700+ algorithmic problems.

Codeforces: **Specialist** at Codeforces with 1400+ rating and 250+ problems solved.

GeekForGeeks: Ranked 1st at NIT Meghalaya with a 1650+ overall score and 500+ data structures problems solved. Runner-up at **District Science Exhibition** for designing and implementing an **automated car parking system**.