

# SAGAR MISHRA

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## EDUCATION

**VSSUT, Veer Surendra Sai University of Technology**

Bachelor of Technology, Computer Science & Engineering

- CGPA - **9.02**

**Sambalpur, Odisha**

Aug 2018 – Jun 2022

## SKILLS

**Languages:** Java, Python, C++, JavaScript, SQL

**Technologies/Frameworks:** HTML5, CSS3, git, React, Oracle, Spring boot, Spring MVC, Spring batch, Typescript, Maven, Junit5, Cucumber testing, Cassandra DB, Docker, AWS ECS, Linux, Jenkins, Hibernate

**Developer Tools:** BMC Control - M, Splunk, VS Code, IntelliJ, Dbeaver, Jenkins CI/CD, Postman, Bruno, Jira

## EXPERIENCE

**Software Engineer**

**Aug 2022 – Present**

Cognizant Technology Solutions

*Kolkata, West Bengal*

- Gathered functional requirements and developed technical specifications to deliver robust, scalable solutions for fintech clients, consistently meeting business needs and quality standards.
- Designed and developed RESTful APIs and microservices using **Java 21**, **Spring Boot**, and **J2EE**, ensuring modular, secure, and maintainable code for enterprise-scale systems.
- Architected and migrated high-performance applications to **AWS ECS & API Gateway**, leveraging cloud-native services and DevOps practices to improve scalability and reduce operational costs by 25%.
- Resolved defects and bugs across QA, pre-production, and production environments, contributing to continuous improvement and reliable releases.
- Leveraged **Redis** in-memory caching to optimize API performance, reducing redundant downstream API calls by 35% and cutting response times by 40%.
- Streamlined CI/CD pipelines using **Jenkins**, **Git**, and **Docker**, automating deployments and ensuring 100% on-time delivery for production releases in a DevOps model.
- Collaborated cross-functionally with product management and other business units to deliver results and drive project success.
- Practiced **Agile** development with **SCRUM**, participating in sprint planning, story pointing, and daily stand-ups to enhance team productivity and deliverables.

**Intern**

**Mar 2022 – Jun 2022**

Cognizant Technology Solutions

*Hyderabad, Telangana*


- Built full-stack dashboard with **Spring Boot**, **Java**, **MySQL**, automating filtration, cutting effort by 90%.
- Engineered an interactive **React-based** UI featuring advanced filtering capabilities across 4+ project attributes, resulting in a 45% reduction in user search time.
- Implemented efficient indexing strategies on MySQL database, supporting 400+ users for efficient data querying.

## PROJECTS

**Leetcode Elo tracker** 

- Designed a robust backend using Spring Boot to fetch prebuilt data and update a PostgreSQL database with newly added problems.
- Built and optimized caching mechanisms to streamline API calls from the React frontend, reducing redundant requests and enhancing performance.
- Instrumented a dynamic frontend with React for seamless user interaction and real-time data visualization.
- Automated weekly data updates to ensure the database remains current without manual intervention.

## CERTIFICATIONS

- AWS Certified Cloud Practitioner 
- GitHub Copilot: Your AI Coding Assistant. Use Copilot AI to generate code, unit tests, + more.
- Deep Dive in Core Java programming -Standard Edition