

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, Javascript, ShadCN UI, Maven, Junit5, Cucumber testing, Cassandra DB, Docker, AWS ECS

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

EXPERIENCE

Software Engineer

Cognizant Technology Solutions

Aug 2022 – Present

Kolkata, West Bengal

- Spearheaded high-performance **Spring Batch** applications for a fintech company, processing millions of records daily, improving data processing efficiency by 30% through optimized batch configurations.
- Architected and migrated scalable **RESTful microservices** from **Gaia Cloud** to **AWS ECS**, reducing operational costs by 25% and enhancing application scalability.
- Designed and authored REST APIs using **Spring Boot** framework, consuming **GraphQL** APIs to drive modernization efforts and improve data consistency by 20% across distributed systems.
- 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 achieving 100% on-time delivery for production releases.
- Integrated **Cassandra** NoSQL database into microservices architecture, enabling massive scalability to support high-throughput fintech workloads with 99.9% uptime.
- Collaborated in **Agile** sprints, ensuring 100% on-time delivery through effective story pointing, Planning Poker, and daily stand-ups, enhancing team productivity.

Intern

Cognizant Technology Solutions

Mar 2022 – Jun 2022

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.
- Leveraged Spring Boot, Java, MySQL, and React to create an impactful automation tool.
- Earned Cognizant Digital Nurture full-stack certification, scoring more than 70% in expertise.

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.
- Optimized database queries and API response times for enhanced scalability and efficiency.

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