SAGAR MISHRA

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EDUCATION

VSSUT, Veer Surendra Sai University of Technology   **Sambalpur, Odisha**
Bachelor of Technology, Computer Science & Engineering   Aug 2018 – Jun 2022
- CGPA - **9.02**

SKILLS

Languages: Java,Python,JavaScript, SQL, HTML5, CSS3
Technologies/Frameworks: git, React, Oracle, Spring boot, Spring MVC, Spring batch, Typescript, Maven, Junit5, Cassandra DB, Docker, AWS ECS, Linux, Jenkins, Hibernate/JPA, Apache Kafka
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*
- Engineered scalable fintech applications by defining functional requirements and creating precise technical specifications to meet strategic business goals.
- Built and maintained a suite of high-performance **RESTful APIs** and **microservices**, leveraging **Java 21** and **Spring Boot** to ensure code security and modularity.
- Architected a cost-efficient **AWS cloud** infrastructure using **ECS** and **API Gateway**, successfully migrating legacy applications and achieving a 25% reduction in operational overhead.
- Resolved defects and bugs across QA, pre-production, and production environments, contributing to continuous improvement and reliable releases.
- Achieved a 40% reduction in API latency by strategically integrating **Redis**, optimizing data retrieval and eliminating 35% of redundant downstream calls.
- Streamlined **CI/CD** pipelines using **Jenkins**, **Git**, and **Docker**, automating deployments and ensuring 100% on-time delivery for production releases in a DevOps model.
- Built and managed high-throughput data pipelines with **Apache Kafka** to process over 10,000 messages/sec, enabling real-time financial analytics.
- Championed **Agile/Scrum** best practices, actively contributing to sprint planning, story pointing, and backlog grooming to improve team velocity and deliverable predictability.

PROJECTS

leecode 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.

Uptime Monitor | Personal Project
- Developed a full-stack web application to monitor the uptime of websites and services, similar to UptimeRobot or Better Stack.
- Engineered a backend service in Java to perform periodic HTTP checks on user-defined endpoints to determine their status (up/down).
- Built a user-friendly frontend with TypeScript and React to allow users to add, view, and manage monitored URLs and see their real-time status.
- Designed a system to send email notifications to users when a monitored service goes down.

CERTIFICATIONS

- AWS Certified Cloud Practitioner 🔗
- GitHub Copilot: Your AI Coding Assistant. Use Copilot AI to generate code, unit tests, + more.