SAGAR KUMAR

M.Tech (CSE), IIT Guwahati

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Github ↗ LinkedIn ↗ LeetCode ↗

Professional Experience

HCL Software
Senior Software Engineer

Bengaluru, India
Jul'21 - Present

Product Description :

- IBM Rational Business Developer is a polyglot application based on Eclipse RCP. The user writes code in a language called EGL and can be generated to target platforms like Java, Javascript, and COBOL. The user can also create SOA like RPC, REST, and SOAP applications with Javascript-based clients and deploy them into any server.

Role and Responsibilities:

- Designed, developed and maintained applications using Java and related technologies.
- Migrated the legacy build setup to the new CI-CD pipeline using Jenkins, Maven, and Github.
- Collaborated with cross-functional teams to understand and define requirements.
- Participated in code reviews, testing, and debugging of application features.
- Performed OSS scans, integrated JDK into the product, and supported license building.
- Handled L3 issues and Escalations effectively.
- Implemented features that support the generation of code to target platforms in headless mode, allowing code generation without the need for the IDE's user interface.

Technical Skills

- **Languages**: Java, Python, MySQL
- **Cloud Technologies**: Docker, Kubernetes, Microservices, AWS
- **Operating System**: Linux, Windows

- **Frameworks**: Spring, SpringBoot, Hibernate
- **Tools** : Maven, Jenkins, Git, Tomcat
- **Networking Basics**: TCP, UDP, SSL, HTTP

Education

Indian Institute of Technology, Guwahati
Master of Technology in CSE/Data Science; GPA: (8.32/10.0)

Jul'19 - Jun'21

Heritage Institute of Technology, Kolkata
Bachelor of Technology in Electronics and Communication; GPA: (7.85/10.0)

Aug'14 - Jul'18

Projects

E-Commerce Backend Application from Scratch Using Java and Spring Boot ↗
- Developed essential e-commerce backend REST APIs for streamlined order, product, user, cart, and category management, ensuring module integration and smooth system operation.
- Enhanced backend security and documentation via JWT authentication, Swagger, and Docker containers.
- Established a robust CI/CD pipeline with Jenkins for efficient deployment on AWS-EC2, adhering to SOLID principles for code quality and maintainability.
- **Technology :** Java, SpringBoot, MySql, Docker, AWS

SecureGate: Fortifying Backend Systems with REST API Authentication and Authorization ↗
- Implemented robust REST API authentication and authorization using KeyCloak and OpenID Connect.
- Orchestrated seamless deployment to AWS EC2 cloud via a streamlined CI/CD pipeline.
- **Technology:** SpringBoot, Key Cloak, AWS-EC2

Real-Time Location Tracking Service ↗
- Designed and implemented a Spring Boot and Kafka-based application for live location tracking, enabling efficient event-driven communication and data processing.
- **Technology :** SpringBoot, Apache-Kafka

Achievements and Fellowships

- Scored 98.96 percentile in GATE-19 (ECE) among 104782 candidates, received MHRD fellowship for M.Tech at IIT Guwahati from 2019-2021.