SAGAR KUMAR

M.Tech, IIT Guwahati

ksagar438@gmail.com
+91-8603348650
Github
LinkedIn

PROFESSIONAL EXPERIENCE

HCL Software — Bengaluru, India
Senior Software Engineer — *Jul 2021 - Present*

Role and Responsibilities:

- Implemented and maintained a Jenkins-based CI/CD pipeline using Docker containers for building and deploying projects, and also performed maintenance and troubleshooting of the system.
- Managed source code management (SCM) for the development team proficiently by implementing branching strategies, continuous integration, and webhooks, ensuring seamless collaboration and an efficient workflow.
- Worked on high-priority customer TRs/Escalations and fixed the issues within the timeline with quality.
- Developed and Containerized EGLSDK component within the product that allows users to generate EGL code to target platform code in headless mode without the IDE's user interface.

EDUCATION

Indian Institute of Technology Guwahati — Assam, India
Master of Technology in CSE/Data Science; GPA: (8.32/10.0) — *Jul. 2019 – Jun. 2021*

Heritage Institute of Technology — Kolkata, India
Bachelor of Technology in Electronics and Communication; GPA: (7.85/10.0) — *Aug. 2014 – Jul. 2018*

PROJECTS

E-Commerce Backend Application from Scratch Using Java and Spring Boot
self-project — *Dec 2022*

- Developed several REST APIs for the e-commerce backend project, including APIs for managing orders, products, users, carts, and categories. These APIs were integrated into their respective modules and enabled the smooth functioning of the backend system.
- Implemented JWT authentication, Swagger documentation, and Docker containers for securing, testing, and containerizing the backend system, respectively.
- Set up an effective CI/CD pipeline through Jenkins for deploying the e-commerce backend project on AWS-EC2, ensuring streamlined development and deployment processes.
- Followed the SOLID principle while designing and structuring the code, ensuring code quality and maintainability.
- **Technology Used:** Java, SpringBoot, MySql, Docker

Generating scorecard from a commentary of world cup match 2019
Prof. Vijaya Saradhi CSE Dept, IIT Guwahati — *Aug 2019*

- The course project involves generating a scorecard from text commentary and ensuring that the output scorecard is in the same format as the one provided in the scorecard link
- The generated scorecard is then compared with the published work.
- **Technology Used:** Python

TECHNICAL SKILLS

- **Languages**: Java, Python, MySQL   **Frameworks**: Spring, SpringBoot
- **API's**: Multithreading, JDBC   **Web** : HTML5, CSS
- **Cloud Technologies**: Docker, Kubernetes, Microservices, Container, AWS   **Tools** : Maven, Jenkins, Git, Tomcat

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.