

SAGAR KUMAR

M.TECH (CSE), IIT GUWAHATI

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Github [↗](#) LinkedIn [↗](#) LeetCode [↗](#)

PROFESSIONAL EXPERIENCE

- HCL Software** Bengaluru, India
Senior Software Engineer 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:*
 - Design, develop and maintain applications using Java and related technologies.
 - Migrated the legacy build setup to the new CI-CD pipeline using Jenkins, Maven, and Github.
 - Collaborate with cross-functional teams to understand and define requirements.
 - Participate 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.
 - Developing 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 **Frameworks:** Spring, SpringBoot, Hibernate
- Cloud Technologies:** Docker, Kubernetes, Microservices, AWS **Tools :** Maven, Jenkins, Git, Tomcat
- Operating System:** Linux, Windows **Networking Basics:** TCP, UDP, SSL, HTTP

EDUCATION

- Indian Institute of Technology, Guwahati** Jul'19 - Jun'21
Master of Technology in CSE/Data Science; GPA: (8.32/10.0)
- Heritage Institute of Technology, Kolkata** Aug'14 - Jul'18
Bachelor of Technology in Electronics and Communication; GPA: (7.85/10.0)

PROJECTS

- E-Commerce Backend Application from Scratch Using Java and Spring Boot** [↗](#)
 - 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 :** Java, SpringBoot, MySql , Docker, AWS
- SecureGate: Fortifying Backend Systems with REST API Authentication and Authorization** [↗](#)
 - Implementation of authentication and authorization process for REST API
 - Authentication and Authorization are handled using KeyCloak and OpenId Connect.
 - CI/CD pipeline enables deployment of applications to AWS-EC2 cloud.
 - Technology :** SpringBoot, Key Cloak, AWS-EC2

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.