

Siddharth Bhadu

✉ siddharthbhadu.work@gmail.com | LinkedIn | GitHub | ☎ +91 7240713544 | Blog

Professional Experience

Sr Software Engineer | Oqulto Technologies

July 2025 - Present

- Engineered robust server-side logic and RESTful APIs using **Java** and the **Spring Framework**.
- Optimized **MySQL** database performance by tuning complex queries and applying strategic indexing.
- Enhanced code quality and application performance within an **Agile/Scrum** workflow.
- Addressed security vulnerabilities by implementing **secure coding best practices** and input validation.

Sr Software Engineer | Capgemini

Aug 2023 - July 2025

- Automated a **10+ hour** manual weekly workflow by engineering a daily **ETL** pipeline with Spring Batch.
- Scaled data exports from **65k to 1M+** rows and fixed timeouts using Spring Batch.
- Improved API response times by **30%** via SQL query and database index optimizations.
- Accelerated data retrieval by **40%** and reduced database load using a pre-fetch cache.
- Enhanced microservice discovery speed and **load balancing** using Eureka Server.
- Reduced developer intervention by **40%** by building a **self-service** PDF template tool using iText.
- Cut UI codebase by **30%** by migrating legacy JavaScript to leaner jQuery implementation.
- Boosted user efficiency by unifying external service data into a single view using RestTemplate.

Software Engineer Intern | Capgemini

Mar 2023 - May 2023

- Contributed to a monolithic-to-microservice migration, helping to cut deployment times by **40%**.
 - Integrated a custom security layer into a Spring Batch pipeline to enforce data compliance.
-

Projects

- **Chip-8 Emulator** - Implemented a Chip-8 virtual machine and its instruction set using core Java.
 - **Local Chatbot** - Built a private, real-time chatbot by locally-run **LLM** with a WebSocket backend.
 - **Recipe Agent** - Developed a Spring Boot application that leverages a generative **AI API** for dynamic recipe creation.
-

Education

Lovely Professional University - Punjab, India

Aug 2019 - May 2023

Bachelor of Technology in Computer Science & Engineering

Skills

- **Languages, Frameworks & Libraries:** Java, Python, SQL, JavaScript, HTML/CSS, jQuery, JSTL, Spring Boot, Spring MVC, Hibernate, Struts, MyBatis, Hibernate
- **Tools & Architecture:** MySQL, PostgreSQL, Db2, MongoDB, Git, Docker, Maven, Postman, Microservices, RESTful APIs, Message Queues, Agile/Scrum, Bitbucket