

# Siddharth Bhadu

## Software Engineer

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🐙 GitHub

### Professional Experience

#### Oqulto Technologies

07/2025 – Present

Software Engineer

- Built secure and scalable RESTful APIs and backend services by engineering a daily ETL pipeline with Spring Batch that automated a 6+ hour manual workflow.
- Accelerated data retrieval by 25% and reduced database load using a pre-fetch cache.
- Developed responsive user interfaces using HTML, CSS, and JavaScript to modernize a legacy JSP location filter, effectively improving response times by 30%.
- Migrated client application tabs from Struts to Spring, enhancing maintainability and performance.

#### Capgemini

08/2023 – 07/2025

Software Engineer

- Scaled data exports from 65k to 1M+ rows and fixed timeouts using Spring Batch.
- Improved API response times by 20% via SQL query and database index optimizations.
- Reduced developer intervention by 25% by building a self-service PDF template tool using iText.
- Boosted user efficiency by unifying external service data into a single view using RestTemplate.

#### Capgemini

03/2023 – 06/2023

Software Engineer Intern

- Contributed to a monolithic-to-microservice migration, helping to cut deployment times by 20%.
- 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.

### Skills

Java • Spring Boot • Hibernate • Microservices • RESTful APIs • Docker • CI/CD • Git • JavaScript • MySQL • Agile Scrum • GitHub • System Design • Distributed Systems • Cloud Technologies • AWS • Object-Oriented Programming • Operating Systems • Networking Concepts • Generative AI • Maven • Spring Security • Message Queue services • PostgreSQL • HTML • CSS • jQuery • AJAX • Postman • Secure Coding Practices

### Education

**Bachelor of Technology in Computer Science & Engineering**

08/2019 – 05/2023 | Punjab, India

Lovely Professional University