

Siddharth Bhadu

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Summary

A results-oriented Software Engineer with 2 years of experience in building scalable backend systems. Proven ability in optimizing API performance, automating complex data pipelines, and enhancing application security. Currently deepening expertise in low-level systems and reverse engineering while seeking a challenging new role.

Professional Experience

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.
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Projects

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

Lovely Professional University - Punjab, India

Aug 2019 - May 2023

Bachelor of Technology in Computer Science & Engineering

Skills

- **Programming Languages:** Java, JavaScript, HTML, CSS
- **Technologies:** Git, Postman, REST APIs, MySQL, MongoDB, Spring Boot, Spring MVC, MyBatis