# Jason Zhu

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## Professional Experience:

### Software Engineer II, Wells Fargo
June 2022 - Feb 2025

- Developed and maintained RESTful APIs in backend web microservices for Zelle® using Core Java and Spring Boot, enhancing backend microservice performance
- Optimized application runtime by ~15% through API enhancements leveraging Java lambda expressions to enable multithreaded service calls
- Developed JUnit test cases to automate unit testing of source code
- Analyzed log data with Splunk monitoring for XML and JSON request/response troubleshooting
- Created and verified RESTful APIs for data migration and synchronization between Oracle and MongoDB by writing complex queries in SQL and MQL
- Written behavior-driven development (BDD) test cases with Cucumber in Selenium framework for automated regression testing, achieving 100% test coverage for 13 critical APIs
- Executed end-to-end manual testing using Apache Tomcat on scenarios and edge cases to verify full backend components including Kafka notification streaming
- Resolved SEV-1 and SEV-2 Gradle dependency vulnerabilities and source code bugs using SonarQube
- Deployed development/release builds on Jenkins CI/CD(Continuous Integration/Continuous Deployment) pipelines
- Utilized Git Bash and Linux terminal CLI for version control in GitHub
- Engaged in Agile development through bi-weekly sprints and daily scrum meetings utilizing Atlassian Jira for team and cross-team collaboration

### Associate Software Engineer, Mphasis Corporation
November 2021 - June 2022

- Trained in front and back-end languages (Java, Python, HTML, CSS, SQL), tools, and methodologies
- Utilized tools such as Apache Maven, Hibernate, and Spring Boot MVC
- Developed a full-stack dynamic online banking web application

## Projects:

Personal Portfolio Website
August 2021 - Present

- Designed a multiplatform-friendly website showcasing my projects using HTML and Javascript
- Utilized Figma tool to design the front-end components of the website
- Applied React, React router, and Framer Motion for smoother component transitions

Stock 'ems
November 2021 - June 2022

- Developed a full stack web application for stock traders, including user token authentication
- Created RESTful APIs to fetch and store data into MongoDB
- Applied express and node to seamlessly connect front and backend components

## Skills:

- Technicals: C, C++, CSS, HTML, Java, Javascript, PL/SQL, Python, SQL, Typescript
- Technologies: Angular, Express, Ionic, MongoDB Compass, MySql, Node.js, Oracle SQL Developer, React, RESTful API, SOAP API, Spring Boot
- Developer Tools: Apache Maven, Apache Kafka, Artifactory, Git, Github, Gradle, Postman, Splunk

## Professional Certifications:

- AWS Certified Cloud Practitioner (March 2025)

## Education:

### University of California, Merced
May 2021

**Bachelor of Science, Computer Science and Engineering**

**Relevant Coursework:** Algorithm Design and Analysis, Data Structures, Object Oriented Programming, Database Systems, Operating Systems

Academic Achievements: Dean's Honor List (Fall 2020 - Spring 2021), Chancellor's Honor List (2021)