WILLIAM YU

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Linkedin | GitHub | Website | Projects

FULL STACK DEVELOPER

Self-driven and team-oriented Software Engineer with experience in backend API development, cloud services, and system integration. Strong problem-solving skills with a background in engineering. Proficient in designing scalable and efficient backend services using Spring Boot and AWS.

TECHNICAL SKILLS

Languages & Frameworks: Java, JavaScript, Spring Boot, React, Ruby on Rails, Python
Cloud & Tools: AWS (S3, Lambda, API Gateway, SQS), Docker, Kubernetes, Git, Splunk, Postman
Databases: MySQL, PostgreSQL, DynamoDB

WORK EXPERIENCE

JPMorgan Chase & Co. – Jersey City, NJ
Software Engineer II (February 2024 – Present)

- Designing and optimizing backend APIs for secure and scalable financial services.
- Developing microservices with Spring Boot, integrating AWS services such as Lambda, S3, and API Gateway.
- Collaborating with teams to implement secure authentication mechanisms using OAuth2 and JWT.
- Monitoring production systems using Splunk and CloudWatch to ensure reliability and performance.

JPMorgan Chase & Co. – Wilmington, DE
Software Engineer I (September 2022 – April 2024)

- Built and maintained backend APIs for KYC authentication and customer onboarding.
- Developed microservices using Spring Boot, integrating AWS services for secure data processing.
- Troubleshooted and optimized SQL database queries to enhance system efficiency.
- Worked closely with cross-functional teams to refine API documentation and deployment pipelines.

PROJECTS

Bot.io - Demo | Site | Github |

Bot.io is a ecommerce web application where users can purchase bots. Users can sign up, login, add and delete items from their carts, as well as add and delete reviews for each bot in the store.
- Created and maintained **SQL** database with data about each bot in a store leveraging Faker gem.
- Stored user login, bot reviews and cart information utilizing **Rails backend**.
- Implemented full CRUD functionality and routes with **Rails** and **Restful API** calls with **React**.

WhatsUpp - Demo | Site | Github |
Inspired by the popular chat app, WhatsApp, WhatsUpp is a web application focusing primarily on group chats. Users can sign up, login, join a chatroom, and send and receive messages in real time.
- Successfully implemented **action cable** and **web sockets** for real time chat functionality.
- Maintained users, user messages and chat rooms with **Rails Active Records**.
- Leveraged **JWT authentication** for user auto-login functionality and user login.

EDUCATION

Flatiron School *Full Stack Software Engineering Boot Camp, JavaScript/React and Ruby on Rails* | NewYork, NY
Jan 2022 – May 2022

NYU Tandon School of Engineering *Bachelor of Science in Chemical Engineering* | NewYork, NY May 2017