Ruidan (Meredith) Zhang

Full Stack Developer | Software Engineer

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EXPERIENCE

Software Development Engineering Intern, *Black Cow Tech*   Jun 2023 - Aug 2023
- Led end-to-end implementation of Signup/Login features, developing robust backend **RESTful APIs** utilizing Java, Spring Boot, and DynamoDB, and creating engaging frontend web components using React, Redux, HTML, and CSS.
- Implemented a secure authentication system by utilizing **JWT-based authentication** on the backend and regex-based validation for username and password inputs on the frontend login form.
- Collaborated with UX designers to validate Figma designs for practicality and functionality, translating them into interactive frontend elements utilizing XML and **Tailwind CSS**.
- Utilized Git and CI/CD pipelines for **version control**, enabling an efficient and error-free development workflow.
- Leveraged **AWS EC2** instances to host the application during the testing phase, ensuring scalability and high availability through auto-scaling and load balancing capabilities.
- Contributed actively in daily stand-up and biweekly sprint meetings, providing updates, discussing task breakdowns, and resolving blockers.

PROJECTS

LinkedWith, *Full Stack Developer* - React | Node.js   Live Site | GitHub Repo
A LinkedIn clone website that provides a social media platform for professionals to connect and network.
- Utilized **RESTful APIs** to integrate backend services and fetch real-time data for features like user profiles, user posts, and commenting, providing a dynamic and up-to-date user experience.
- Configured an **AWS S3** bucket to enable seamless photo uploads for users during the posting process.
- Leveraged **React/Redux** to conduct an intuitive navigation system and provide a fast and responsive user experience.

Kartsy, *Full Stack Developer* - React | Flask   Live Site | GitHub Repo
An Etsy clone website that presents an online marketplace for individuals to sell products.
- Led the implementation of **full CRUD** (Create, Read, Update, Delete) operations for the Comments feature, bringing out an user-friendly commenting system.
- Utilized **Git** for branching, merging, and conflict resolution to ensure seamless and efficient team collaboration.
- Resolved 50+ real-time issues by performing continuous live site testing, successfully gained a 40% increase in site performance, and delivered a smooth user experience for end users.

Homebnb, *Full Stack Developer* - React | Node   Live Site | GitHub Repo
An Airbnb clone website that allows hosts to list and rent out their properties to guests.
- Developed advanced booking functionality using frameworks like **React** and **Redux**, allowing users to easily book properties based on location, date, price range, and other criteria.
- Implemented **JWT-based** authentication and authorization, reducing unauthorized access attempts by 30%.
- Applied **agile methodologies** for efficient project management to ensure timely delivery of milestones.

TECHNICAL SKILLS

Languages: JavaScript, Java, Python, TypeScript
Frameworks: React, Redux, Spring Boot, Node.js, Express.js, Flask, Bootstrap
Databases: SQL, NoSQL, SQLAlchemy, PostgreSQL, Amazon DynamoDB
Cloud Services: Amazon Web Services (AWS) - EC2 (Elastic Compute Cloud) & S3 (Simple Storage Service)
Technologies and practices: HTML, XML, CSS, Tailwind CSS, Git, Docker, JSON Web Tokens (JWT), CI/CD (Continuous Integration/Continuous Deployment), Jenkins, GitLab, Agile Methodology, Test-Driven Development (TDD)
Others: Adobe Premiere Pro, Adobe After Effects, Adobe Photoshop, Final Cut Pro

EDUCATION

App Academy, *Full Stack Development*
Immersive software development course with focus on full stack web development
New York University, *Bachelor of Fine Arts in Film and Television*
Effectively completed the Introduction to Computer Science course (CS101 - Python)