

Ruidan (Meredith) Zhang

Full Stack Developer | Software Engineer

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EXPERIENCE

Software Development Engineering(SDE) Intern, Black Cow Tech

Jun 2023 - Present

- Cooperate with cross-functional teams to design the high-level architecture diagram for the application, incorporating **object-oriented design** principles to ensure scalability and maintainability.
- Design and develop a scalable **DynamoDB** database architecture, leading to a 20% reduction in query latency.
- Reduce manual errors through the efficient **CI/CD pipelines** implementation using **Jenkins** and **GitLab**.
- Deploy and manage the application on **AWS EC2**, utilizing advanced features such as auto scaling and load balancing to ensure a stable application performance.
- Boost early detection of defects by 30% through the execution of **unit testing** and **integration testing** frameworks.
- Work in an **agile environment** with daily stand-ups, keep track of user stories/bugs in GitHub projects, and conduct 2 hours of sprint planning and sprint retrospective per week.

Video Editor, Jellysmack

Jan 2022 - Sep 2022

- Successfully produced and edited engaging videos with **2M+ views** on Facebook, Instagram, and TikTok.
- Consistently edited and delivered 3 to 4 high-quality videos per week, each ranging from 10 to 15 minutes in length.

PROJECTS

LinkedWith, Full Stack Developer - React | Node.js

[Live](#) | [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](#) | [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](#) | [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, CSS, Git, Docker, JSON Web Tokens (JWT), CI/CD (Continuous Integration/Continuous Deployment), Agile Project Management, 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)