# 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.

**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.*
- Created RESTful APIs and optimized database queries, leading to a 20% reduction in server response time.
- Configured cloud-based storage solutions using Amazon S3 to store and manage 500 GB of data securely, achieving high scalability and 99.99% availability.
- Leveraged React/Redux to conduct an intuitive navigation system, achieving a fast and responsive user experience.
- Applied agile methodologies  for efficient project management, ensuring timely delivery of milestones.

**Kartsy,** *Full Stack Developer* - React | Flask                                        [Live](#) | [GitHub Repo](#)
*An Etsy clone website that presents an online marketplace for individuals to sell products.*
- Collaborated with other developers to brainstorm ideas, troubleshoot issues, and deliver project milestones on time.
- Led the implementation of CRUD (Create, Read, Update, Delete) operations for Comments feature, bringing out an user-friendly commenting system.
- Utilized Git for branching, merging, and conflict resolution to ensure seamless and efficient team collaboration.
- Performed continuous live site testing, identified and resolved 50+ issues in real-time, 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.*
- Implemented authentication and authorization features with JSON Web Tokens (JWT), resulting in a 30% reduction in unauthorized access attempts while effectively protecting sensitive data.
- Decreased error rates by 80% by implementing error handling and monitoring tools.
- Maintained comprehensive technical docs, user guides, and code documentation for future updates.

## TECHNICAL SKILLS

JavaScript, Java, Python, TypeScript, Spring Boot, CI/CD(Continuous Integration/Continuous Deployment), React, Redux, HTML, CSS, Node.js, Express.js, Flask, Bootstrap, SQL, NoSQL, SQLAlchemy, PostgreSQL, Amazon DynamoDB, Amazon Web Services(AWS), Agile Project Management, Test-Driven Development (TDD)

## 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)*