Qi (Chee) Liu

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Career Objective

Graduate student in Computer Science and AWS-certified Solutions Architect with hands-on experience designing scalable cloud infrastructure and developing web applications. Combines strong AWS expertise in serverless architectures and full-stack development skills with excellent communication and problem-solving abilities. Seeking a role to leverage this diverse skill set to build innovative, user-focused solutions in a collaborative, growth-oriented environment.

Skills

AWS: Amazon Cognito, AWS Lambda, API Gateway, DynamoDB, S3, IAM
Programming: Python; JavaScript, HTML/CSS (React); Java (familiar)
Database: SQL (MySQL), NoSQL (DynamoDB)
Tools: Git, GitHub, Unix/Linux CLI, VS Code, IntelliJ IDEA

Projects

2025: **AWS Cloud-Based Online Education Platform** — Architected and implemented a cloud-native teaching platform for class management and automated grading. Designed the system using AWS Cognito, API Gateway + Lambda, S3, and DynamoDB, ensuring scalability and security.
Leadership & Design: Led end-to-end system design and deployment, including infrastructure provisioning and front-end integration. Implemented RBAC and applied best practices for encryption, IAM, and reliability.
Outcome: Deployed in pilot classrooms (dozens of users), improving assignment submission and grading efficiency with high stability (zero downtime during pilot).

Experience

Overseas
Math Teacher   *2015–2024*
Communicated complex mathematical concepts to diverse student groups, enhancing ability to explain difficult ideas clearly and effectively. Collaborated with colleagues to develop curricula and adapt to new educational technologies, demonstrating quick learning, flexibility, and problem-solving in dynamic environments.

Education

Victoria University of Wellington
Master of Computer Science   *2024–Present*
Overall GPA: A-
Achieved A+ in Advanced Programming Languages, Database System Engineering, and Automated Program Analysis.
Southeast University
BSc in Computer Science and Technology   *2011–2015*

Certifications

2025: AWS Certified Solutions Architect – Associate
2024: AWS Certified Cloud Practitioner