Chuan Lin

347-463-1026 | chuan.lin.cl@gmail.com | https://www.linkedin.com/in/chuan-lin-733416195/
New York, NY

EDUCATION & CERTIFICATIONS

University at Buffalo, B.S. Computer Science 2021
AWS Certified Database - Specialty, AWS Certified Solutions Architect - Associate

WORK EXPERIENCE

Amazon Web Services

System Development Engineer, Seattle, WA   *May 2024 - October 2025*

- Developed features and conducted code reviews (Git) for a CloudFormation-deployed full-stack web application (HTML/CSS, React, Node.js, Express, TypeScript), ensuring code quality and maintainability.
- Migrated schemaless DynamoDB tables to S3 using TypeScript + Zod validation, automating conversion and seeding of system resources via CI/CD pipelines, improving data integrity and streamlining deployments.
- Authored Architectural Decision Records (ADRs) to guide system migrations and new feature development, including user stories, tasks, acceptance criteria (ACs), and non-functional requirements (NFRs), aligning the team, streamlining Agile sprint planning, and improving overall system architecture.
- Directed a zero-downtime CI/CD migration for core Python and Node.js scripts, transitioning to a commit-based Infrastructure-as-Code pipeline, ensuring reproducible, reliable deployments across 15+ scripts.
- Streamlined operational procedures for an internal email platform delivering AWS QuickSight insights on potential customer revenue, enabling reliable multi-team handoffs and reducing ~7 hours/month of manual coordination for sales opportunity reporting to 2,000+ stakeholders.

Cloud Support Engineer (Databases), New York, NY (Remote)   *October 2022 - April 2024*
Cloud Support Associate (Databases), Herndon, VA   *Jan 2022 - October 2022*

- Designed and deployed a Python-based automation tool integrating the Slack API and internal on-call APIs to deliver daily schedules for a 30-engineer team, eliminating ~3 hours of manual effort each week.
- Performed query performance tuning and parameter optimization for RDS PostgreSQL, improving query execution times, reducing latency for production workloads, and enhancing overall database efficiency.
- Leveraged AWS CloudTrail, CloudWatch, EC2, internal tooling, and related AWS services to reproduce, triage, and track defects in Jira, collaborating with TAMs and service teams to perform root-cause analyses and fixes.
- Mentored Cloud Support Engineers and created 6 internal training materials on database troubleshooting and AWS integrations, reducing onboarding time and increasing cross-team knowledge sharing.
- Earned AWS MVP Award (Feb 2024) for maintaining 100% CSAT while resolving AWS service tickets for RDS PostgreSQL, RDS Oracle, and Database Migration Service.

PROJECT WORK

Pantry Chef - AI-Powered Recipe Generator

- Generated personalized recipes for users by designing and developing a full-stack web application using Java Spring Boot, Next.js/React, PostgreSQL, and Redis, containerized with Docker.
- Integrated AI/LLM capabilities to dynamically generate recipes based on user-provided ingredients.

Three-Tier AWS Web Application – Solutions Architect Showcase

- Showcased 99.9% uptime design and automated scaling under variable load through live Powerpoint, draw.io, and AWS Console demos and Q&A sessions to Solutions Architects, earning recognition for technical depth and presentation clarity.
- Delivered a scalable and fault-tolerant web application using Application Load Balancers, EC2 Auto Scaling Groups, EBS, and RDS MySQL, demonstrating best practices in AWS architecture during an internal Solutions Architect capstone project.