

Yuan Zhang

Cloud / Backend / System Engineer

✉ yuan.zhang@gmx.com 🔗 tech-note.motoish.dev 🌐 motoish 🔗 itzyuan

Summary

System engineer with about 9 years of experience across cloud web applications, backend development, infrastructure, testing, and operations.

Hands-on with AWS, GCP, and Azure; recently building serverless platforms and backend features with AWS CDK in a Scrum team.

Experience in finance, trading companies, internal systems, and public-sector projects, covering requirements through design, implementation, testing, and operational improvement.

Experience

Infrastructure & Backend Engineer, Cloud Web Application (AWS / Serverless) – Finance / Web services July 2022 – present

Scrum team role combining AWS infrastructure and backend development with CDK-based environment management and external API integration.

- Designed and implemented serverless platforms and backend features with TypeScript and AWS CDK
- Built and evolved architectures using API Gateway, Lambda, RDS, Step Functions, SQS, CloudFormation, Route 53, CloudFront, and S3
- Owned GitHub Actions CI/CD, external API integrations, new AWS service introductions, and operational improvements
- Covered requirements clarification through design, implementation, testing, and maintenance in Scrum

Backend Engineer, Financial Platform Support (Azure) – Finance Feb 2021 – May 2022

Backend and Azure platform work using Python and Shell in a finance system support project.

- Developed backend and operations-related features with Python and Shell
- Implemented platform capabilities with Azure Batch, Storage, Container Registry, VM, Security Center, and Monitor
- Delivered continuous implementation, testing, and fixes in a GitLab / Jenkins workflow

Backend Engineer, Used Mobile Certification System (GCP) – Trading company / Services Feb 2020 – Jan 2021

Backend developer on an agile team for a used-mobile certification system for a trading company.

- Implemented and tested backend features in Go
- Built cloud applications using GCP managed services
- Delivered both enhancements and new features in an agile cadence

Developer, Internal Web Application (On-premises) – Internal / Business systems Apr 2018 – Mar 2019

End-to-end frontend and backend delivery from requirements through testing for an internal system.

- Owned requirements, basic/detailed design, implementation, and testing
- Delivered business feature changes centered on Java / Spring Boot

Unit/integration testing and maintenance support for a municipal business system package.

- Executed unit and integration tests and verified post-change behavior
- Handled maintenance work and defect investigation

Skills

Cloud: AWS, GCP, Azure

Languages / Frameworks: TypeScript, Python, Go, Java, JavaScript, Shell, PL/SQL, VBA, Spring Boot

Databases: PostgreSQL, MySQL, Oracle, MongoDB, Cloud SQL, RDS

DevOps / CI/CD: GitHub Actions, GitLab, Jenkins, CircleCI, Docker, CloudFormation, AWS CDK

Tools: Git, GitHub, GoLand, VS Code, SourceTree, Redmine, ZenHub, Eclipse

Certificates

AWS Certified Solutions Architect - Professional

Google Cloud Certified - Associate Cloud Engineer

Google Cloud Certified - Professional Cloud Security Engineer

Python 3 Engineer Certification (Basics)

TOEIC 710

Japanese-Language Proficiency Test (JLPT) N1

Education

Saitama University, M.A. in Humanities and Social Sciences – Japan

Apr 2015 – Mar 2017

- Graduate coursework and research in Japanese and Asian studies

Bunkyo University, Certificate in Foreign Student Department – Japan

Apr 2014 – Mar 2015

- Japanese language and cultural studies preparing for graduate education

Strengths

- Cloud web application development on AWS / GCP / Azure
- Backend development with TypeScript, Python, Go, and Java
- Infrastructure with AWS CDK / CloudFormation and CI/CD with GitHub Actions
- End-to-end delivery in Scrum from requirements to operations
- Stability-minded work across finance, manufacturing, trading, and public-sector systems