

Jianda Chien

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Skills

Automation CloudFormation, AWS CDK, Gitlab CI

Container Docker, Podman, Kubernetes, Gitlab Container Registry

Languages Python, Node.js, Typescript, Bash

Policies ISO 27001, ISO 800-53

Tools CloudWatch, CloudTrail, Snyk, SonarQube, Sentry

Others Route53, VPC, Lambda, DynamoDB, S3

Experience

PranaQ

Nov 2022 – Present

Full Stack Engineer

Operations

- Architected and implemented CloudWatch monitoring dashboards, reducing incident response time by 75%
- Designed and deployed multi-account AWS infrastructure using CloudFormation, managing dev, staging and production environments
- Established comprehensive CI/CD pipelines handling routine deployments
- Implemented security controls and compliance measures to achieve ISO 27001 certification

Development

- Architected and developed full-stack web application using TypeScript, Node.js, and React.
- Designed and implemented serverless microservices architecture using AWS Lambda and API Gateway.
- Optimized Lambda cold start times from 3 to 0.5 seconds through code configuration tuning
- Implemented comprehensive error tracking and monitoring, achieving 95% application reliability

Others

- Designed and executed zero-downtime DynamoDB migration strategy, successfully migrating 100+ GB of data while maintaining data integrity
- Implemented automated disaster recovery system with 2-hour RPO and 30-minute RTO objectives
- Architected multi-region DNS failover setup using Route53 for high availability
- Designed secure network architecture with isolated VPC subnets, implementing security groups and NACLs for enhanced protection

Brilltek

Mar 2020 – Oct 2021

Backend Engineer

- Developed backend service with Node.js, and MariaDB.
- Build Docker images for projects and deployed to DockerHub.
- Refactor old projects to modern ES6 standards. Clean up code and improve code quality.

Education

National Chengchi University

Sep 2021 – Jan 2024

Master in Computer Science

Minors: Applied Cryptography

National Taiwan University

Sep 2015 – Jun 2019

Bachelor in Computer Science and Information Engineering

Activities

AWS Summit

Jul 2024

- Speaker of AWS Summit Taipei Meetup sharing experience of using Control Tower and AWS Organizations.
- Sharing knowledge of AWS security and compliance to meet FDA compliance.

Cryptography Algorithms Implementation

2023

- Applied pbc and gmp library to implement cryptographic algorithms.
- Build Docker images for easy setup clean environment for development algorithms and testing.