

Song Lin Chen

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Experience

Security-Focused DevOps Engineer

Aug 2025 – Present

Pacston Technologies, Inc. — IT Services & Consulting

- Architected secure **CI/CD pipelines** using **Bitbucket Pipelines**, **Docker**, and **AWS ECR**, enforcing **immutable image strategy** and reducing manual deployment effort by 80%.
- Designed **AWS cloud infrastructure** (**IAM**, **VPC**, **ALB**, **ECS Fargate**, **App Runner**) with **least-privilege access control** and private subnet segmentation to enhance security posture.
- Implemented **Infrastructure as Code** using **Terraform** and **Ansible**, integrating automated provisioning into CI/CD workflows and reducing manual infrastructure setup by 75%.
- Built **Python-based automation tooling** for **release governance**, **semantic version enforcement**, and PR-driven CHANGELOG generation, reducing release preparation time by 70%.
- Developed **serverless monitoring system** using **AWS Lambda**, **DynamoDB**, **CloudWatch**, and **SES** for real-time alerting, reducing incident detection time by 50%.

Security & Infrastructure Projects

Vault Secret Management System (Terraform)

Feb 2026

- Built secure infrastructure provisioning workflow using Terraform with encrypted Vault secrets.
- Implemented AWS SSM no-key-based authentication and hardened server configuration baseline.
- Reduced configuration drift risk by enforcing infrastructure automation.

Serverless Security Monitoring Platform (AWS)

Dec 2025

- Designed and implemented a serverless monitoring system using AWS Lambda and DynamoDB for real-time event tracking.
- Built React-based frontend dashboard to visualize system health and operational metrics.
- Implemented automated alerting via AWS SES (email) and SMS notifications for anomaly detection.
- Reduced incident response time by 50% through automated alert workflows.
- Designed event-driven architecture to ensure scalable and cost-efficient runtime monitoring.

Terraform-Based Infrastructure Platform (AWS)

Oct 2025

- Designed modular Terraform architecture for VPC, IAM, ECS, and networking resources.
- Implemented least-privilege IAM policies and secure private subnet architecture.
- Integrated Terraform execution into CI/CD workflow.
- Reduced manual infrastructure provisioning effort by 75%.

AISeMap – AI-Powered Security Analysis Platform

Sep 2026

- Architected an AI-driven **security automation platform** integrating **RAG**(Ollama), **static analysis** (Semgrep, Bandit), and **container scanning**.
- Built backend services in **Go** with **Postgres** and **Milvus** for vector retrieval and structured threat analysis.
- Implemented automated vulnerability detection and **attack path visualization** using React.

Education

National Central University

2023 – 2025

M.S. in Network Learning Technology

- Participated in **4 national-level competitions**, including AWS Hackathon and Google Solution Challenge.
- Delivered production-style cloud and AI solutions in competitive engineering environments.

National University of Kaohsiung

2018 – 2022

B.S. in Computer Science

- Awarded **5 technical competition prizes** across software and IoT engineering projects.
- Recognized for excellence in system design and full-stack implementation.