

JIAN YANG LEE

DevOps Engineer

Seeking opportunities in Singapore

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Profile

AWS-certified engineer with experience across full-stack development and cloud infrastructure, currently specialising in production-grade Kubernetes orchestration (10+ clusters across 20+ AWS accounts), Infrastructure as Code (Terraform), and high-availability cloud networking. Enhances Developer Experience (DevEx) through automated CI/CD pipelines, proactive observability (New Relic, Google SecOps), and AI-augmented development workflows using Claude Code.

Experience

DevOps Engineer, Platform Team

May 2024 – Present

Flight Centre Travel Group · Brisbane, Australia

- Architected and maintained a high-availability AWS ecosystem (EKS, ECS, ALB, SG, S3, IAM, R53) across the Leisure pillar's core services
- Orchestrated 10+ EKS clusters (30+ nodes) across multi-region environments, consistently maintaining 99.9% uptime
- Established Infrastructure-as-Code standards using Terraform for corporate tools including New Relic, Octopus Deploy, GitHub Org, etc
- Led ongoing migration of EKS clusters to EKS Auto Mode, streamlining node management and reducing infrastructure maintenance
- Led the migration of AWS SSO from Okta integration to AWS IAM Identity Center across 20+ AWS accounts, redesigning permission sets and access policies to delegate elevated access management to engineering teams, reducing operational bottlenecks
- Led the global log migration (WAF, CloudFront, EKS) from FireEye to Google SecOps (SIEM), partnering with internal security team, and implemented AWS GuardDuty Malware Protection, strengthening the security posture for consultant-facing apps
- Spearheaded migration of 20+ teams from legacy Rundeck to an Octopus Deploy + Helm ecosystem, reducing deployment errors by 30%
- Engineered cross-account and cross-region network topologies, utilising VPC Peering and Endpoints (PrivateLink)
- Implemented New Relic Deployment Markers across 20+ applications, reducing MTTR (Mean Time to Resolution) by 15%
- Deployed bash scripts as Runbooks in Octopus Deploy for handling Kubernetes Namespace Cleanup, AWS Sandbox Cleanup, etc

Full Stack Engineer, Payments Team

May 2023 – May 2024

Flight Centre Travel Group · Brisbane, Australia

- Developed new features and enhancements for the Payments Platform and Gift Card Portal application, including both frontend & backend components - Utilising React, TypeScript, SQL, AWS SDK
- Demonstrated seamless integration with third-party platforms such as Adyen and Salesforce, implementing dynamic dashboards, and providing Flight Centre consultants with intuitive and actionable insights
- Deploying and managing cloud infrastructure, leveraging infrastructure as a code using AWS CDK - Utilising other ranges of AWS services, including SQS, SNS, Lambda, API Gateway, Route 53, and CloudFront
- Leveraged CloudWatch Logs and Splunk for comprehensive debugging, log analysis and testing of applications

Jnr Software Engineer (Employee #20)

Sept 2022 – May 2023

ProcurePro · Brisbane, Australia

Contech SaaS streamlining subcontractor procurement across Australia, UK, and UAE

- Developed Account Profile management page with shareable components - utilising Aurelia TS and PHP framework
- Scoping out features on the product roadmap using Epics and User Stories
- Writing effective unit and integration tests using Jest, Cypress and Playwright
- Performed QA testing and produced status reports using Excel before deploying to Production, with submissions of release notes

Software Engineer (Contract)

May 2022 – Aug 2022

Algomint · Brisbane, Australia

DeFi cross-chain bridge enabling BTC, ETH, and stablecoin interoperability on the Algorand blockchain

- Launched a V1 cross-chain application on Mainnet, offering easy access to mint/redeem \$goUSD with \$USDC
- Deployed crypto exchange dashboard on the Algorand network
- Designed reusable components bridging functionality with PyTeal smart contracts
- Built a dark mode integration option as a toggle feature, created issues on ZenHub

Software Engineer Intern

Nov 2021 – Feb 2022

Space Platform · Brisbane, Australia

Privacy-first PropTech company providing real-time foot traffic analytics for retail, offices, and precincts

- Developed a responsive demo dashboard, creating custom reusable components using React with Javascript and Typescript, utilising Websockets for continuous real-time analytics feeds
- Configured logging in functionality and authorization with Socket.IO-client and JWT Authentication
- Developed reusable Chart.js for multi-level building analytics

Frontend Developer Intern

June 2021 – Sept 2021

AskDr · Singapore

Singapore healthtech platform connecting users with doctor-verified health guidance

Skills

Cloud & Platform: AWS (EKS, ECS, VPC, S3, IAM, R53, ACM, SG, ALB/NLB), Google Cloud (SecOps SIEM)

Orchestration: Kubernetes, Docker, Helm Charts, Karpenter, Gateway API

laC: Terraform, AWS CloudFormation, Bash/Python Automation

CI/CD: Octopus Deploy, GitHub Actions

Observability: New Relic, Splunk, Prometheus, Grafana

Development: Python, TypeScript, React, Node.js, Go (Golang)

AI: Claude Code, LangChain, Model Context Protocol (MCP)

Certifications: AWS Solutions Architect – Associate (May 2024)

Projects

AI Financial Analysis Bot, Personal Project

Aematic

- A financial analysis bot to generate structured financial insights for US stock tickers, including ROI, aggregates and market fundamentals
- Architected a multi-agent system using LangChain to perform automated financial deep-dives and sentiment analysis on US stock tickers
- **Stack:** Google Cloud Platform (GCP), FastAPI, Vite, LangChain, OpenAI, Yahoo Finance, Supabase

Freelance Developer

GBR Group Co

- Launch their corporate website gbrgroupco.com, worked closely with the Founders
- **Stack:** Vite + React, CloudFlare, Tanstack Router, TailwindCSS, Bun, Material UI

EAIT Industry Mentor

University of Queensland

- Mentored two junior engineers over 6 months, providing career guidance and technical training across DevOps practices
- Conducted mock interviews and resume reviews to prepare mentees for graduate engineering roles

Founder

Pacemates Run Club

- Built a running community of 50+ members, organising weekly training sessions, interval workouts, and race-day events across Brisbane

Team Leader

HotHack Hackathon

- Competed in a hackathon competition, led a team of 4 and built a streamlined data collection dashboard for artist managers
- Presented our ideation to reality of the dashboard at The Precinct @ Fortitude Valley

Education

University of Queensland

Feb 2019 – July 2022

Bachelor of Computer Science, majored in Machine Learning · Brisbane, Australia

- Sponsorship Director of UQ Malaysian's Students' Association (UQMSA) – 2021/2022
- Virtual Singapore Startup AdVenture with UQ Ventures
- Queensland University Musical Choir (QUMS)

Interests & Languages

- Endurance sports – TCS Sydney Marathon 2023, Bridge to Brisbane 2024, EVA Air Sunshine Coast 2024; training for triathlon
- Video production – filming (Sony ZV-E10 II) and editing in DaVinci Resolve
- Financial markets reader – The Edge Malaysia + Singapore
- **Languages:** English (Professional), Mandarin (Conversational), Malay (Conversational)