

Karel Malbroukou Moendzenahou

Cloud Architect & Platform Engineer | AWS · DevSecOps · DevEx · Replatform

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Summary

AWS-certified cloud architect and platform engineer. 15+ years in software. Deep experience designing and replatforming cloud environments end-to-end.

Most recently led security and AWS replatforming at SelfWealth (publicly listed). Built a new AWS tenancy from scratch. Migrated a legacy environment. Converted .Net on EC2 to Linux containers and Lambda.

Strong DevEx and platform background. At ClearRoute built a Developer Experience platform from scratch. At MYOB led the CI/CD platform vision and roadmap. At ANZ led the internal Cloud portal strategy. At REA Group reduced AWS account setup from 2 weeks to 30 minutes.

I like turning ambiguous problems into shipped things.

Skills

Cloud & infrastructure: AWS (certified ... Architect, Developer, SysOps), Cloudflare, Lambda, ECS, IAM, VPC, networking with vendor/partner integrations, multi-account governance.

Platform & DevEx: Developer Experience platforms, internal tooling, CI/CD strategy, GitHub Actions, Buildkite, deployment automation, observability, on-call.

Security: AWS security controls, IAM, networking layer, auditing, replatforming under PCI compliance and similar regimes, ADFS-AWS integration.

Languages & frameworks: TypeScript, Node.js, React, Python (for AI work), Linux, Docker.

Leadership: Coaching engineers, ADRs, design walkthroughs, executive stakeholder management, vision and roadmap.

Experience

Security & AWS Replatform Lead at SelfWealth

Jun 2023 to Jun 2024

Contract via CultivX. Melbourne, Australia.

- Led security and AWS replatforming for a publicly listed share-trading platform.
- Stakeholder management with the executive team.
- Designed and implemented a complete new AWS tenancy from scratch. Security controls, IAM, networking layer (with integration into vendor and partner networks), and auditing capabilities.
- Led the complete migration from the legacy environment into the new tenancy.
- Converted EC2 Windows manually deployed .Net applications into automated deployment on Linux containers and Lambda.
- Facilitated knowledge sharing workshops. Planned and prioritised replatforming activities.

Full Stack Consultant at ClearRoute

Nov 2024 to Jul 2025

Contract via CultivX. Melbourne, Australia.

- Built a Developer Experience (DevEx) platform from scratch. Both frontend and backend.
- Owned UI design and architecture decisions, including writing Architecture Decision Records (ADRs).
- Ran demos and design walkthroughs with stakeholders.
- Stack: TypeScript across the stack. AWS for hosting. Modern CI/CD.

Lead Engineer at MYOB

Sep 2022 to Jun 2023

Contract. Melbourne, Australia.

- Lead engineer for MYOB's CI/CD platform, with product management responsibilities for the platform.
- Coached, mentored, and tech-led a team of junior to mid-level engineers.

- Facilitated workshops to understand internal customer pains and needs, and used those insights to drive the strategic CI/CD solution.
- Built the vision and strategy for the future of CI/CD at MYOB.
- Built product roadmaps and inspired teams and senior stakeholders around them.
- Built a set of principles and standards for our teams.

Multiple roles at ANZ

Jun 2019 to Sep 2022

Full-time. Melbourne, Australia. 3 yrs 4 mos.

- AWS Lead Engineer (Jul 2020 to Apr 2021). Designed and built solutions for internal customers. Led on-call roster and 24x7 strategy. Drove tech change management and onboarding automation.
- PO / CX professional (Apr 2021 to Sep 2022). Hired and led the Engineering Experience team. Ran the internal Cloud portal strategy. Got funding for two new teams (customer service plus Engineering Experience / CX). Ran the internal quarterly Hackathon.
- Tech Product Owner (Jun 2019 to Jul 2020). Tech operations lead for the Credit Decisioning Platform. Moved on-call from one to four people on rotation.

Founder, CultivX & Rhizo

Jun 2023 to now

Australia, self-employed. Building kickass mobile apps and regenerative-living products.

- Architected and built the Cloudflare-backed mobile and web product platform underpinning Loovie, ZeroMiss, HykeFresh and Veggiecrush.
- Designed end-to-end DevSecOps for the platform. Deployment pipelines, secrets, networking, observability.
- Loovie infrastructure. ComfyUI workflow orchestration, queue-based AI generation, video processing pipeline.
- Stack: Cloudflare (Workers, R2, D1, Queues), TypeScript on web, React Native on mobile, GitHub Actions, Node backends.
- Concurrent contract delivery via CultivX. See ClearRoute, Exo Digital, SelfWealth below.

Earlier roles

2007 to 2020

- Lead Frontend Engineer at FLEWiD Technologies (Apr 2020 to Mar 2021, Contract). Built e-commerce portals from scratch. Backend-for-frontend. Trained juniors. Future-state strategy.
- Lead Engineer at irexchange (Nov 2018 to May 2019, Contract). API plus queue-driven micro-services. First mobile portal experience.
- Delivery Engineering Lead / Acting CTO at Blockchain Tech (Jan 2018 to Oct 2018). Immutable automated delivery. Security model. Worked with team and CEO on long-term strategy.
- Tech Co-founder at Carloop.com.au (Feb 2017 to May 2018). Built event-driven cloud platform from scratch.
- DevOps Consultant at Cevo Australia (Apr 2016 to Jul 2017). Clients: REA, Aconex, Monash, irexchange. AWS migrations, CD pipelines, ADFS-AWS integration.
- Senior Systems Engineer at Sportsbet (Aug 2015 to Apr 2016).
- Lead Site Operations / Site Availability Engineer at REA Group (Apr 2011 to Aug 2015). Managed ops team. Reduced AWS account plus VPC setup from 2 weeks to 30 mins. Reduced app deployment from 1 to 2 weeks down to a day. Trained developers on operations.
- Earlier: AMEN (Paris, web hosting). PowerE2E (China, B2B). SUPINFO (Linux trainer, Reunion Island then China).

Certifications & training

- AWS Certified. Linux LPI 101 / MCU / MCA.
- Customer Experience Strategy and Design at RMIT (2022).
- AWS Architecture Training (2013). Akamai Training (2014). PCM Training (2016).
- SUPINFO (2004 to 2007). Cisco, Linux, Solaris, Java, Oracle, VoIP, Microsoft, .Net.
- BTS Computer & Networks (2002 to 2004). C/C++, ASM, TCP/IP, Algorithmmy, UML.

Languages

- French (native). English (fluent). Mandarin Chinese (basic). Japanese (basic).