

Bob McAllan

0439 888 832 | bobmcallan@gmail.com | linkedin.com/in/bob-mcallan | Wheelers Hill, VIC 3150

PROFESSIONAL PROFILE

Senior DevOps engineer and full-stack developer with deep Go expertise and a current focus on AI and agentic engineering systems. Hands-on across cloud infrastructure (AWS, Azure), CI/CD, containerisation, and Infrastructure as Code, with a track record of reducing developer friction and operational cost. Proven delivery across enterprise, startup and consulting environments, with strong service management and stakeholder skills supporting the engineering work.

KEY SKILLS

- **Go & AI/Agentic Engineering:** Production Go services, MCP (Model Context Protocol) server and client design, LLM integration (Gemini, Claude, Ollama), agentic workflow orchestration, prompt and skill engineering.
- **DevOps & Cloud:** AWS (CodeBuild, CodePipeline, EC2, RDS), Azure, Docker, Kubernetes, HashiCorp suite (Terraform, Packer, Consul, Nomad), Coder, Jenkins, GitHub/GitLab CI/CD, Octopus Deploy, Azure DevOps.
- **Backend:** Go, .NET Core, Node.js, C#, microservices architecture.
- **Frontend:** Vue.js, HTML, CSS, SASS, Vite, Alpine.js.
- **Data:** Snowflake, MS SQL, Postgres, SurrealDB, RavenDB, Redis, Kafka, SQLite. ETL with PowerShell, Airflow, DBT, Bash.
- **Delivery:** Agile and Waterfall, Jira, ITIL service management (Zendesk, ServiceNow, Salesforce, HubSpot), stakeholder and team leadership.

PROFESSIONAL EXPERIENCE

Everest Engineering (Contractor)

Jun 2025 – Present

Principal Engineer

- Senior consultant delivering DevOps and full-stack engineering across multiple client engagements.
- Magentus — Senior DevOps Consultant (6 months, ongoing). Team of three (lead plus two consultants) modernising the developer experience and DevOps platform for the AUSLAB C++ codebase on Rocky Linux 8.
 - Day-to-day: improve developer experience, reduce DevOps cost, migrate workloads to AWS, introduce Coder for ephemeral developer environments, and stand up AWS CodeBuild and CodePipeline.
 - Delivered: a new developer experience using Coder, reduced DevOps cost through ephemeral compute, migration of dev/build/test workloads to ephemeral AWS instances, and AWS CodeBuild/CodePipeline pipelines for the legacy C++ codebase.
 - Authored CI/CD architecture documentation, comparative analysis of GitHub Actions vs CodeBuild vs CodePipeline, a unified monitor architecture, and design for an ITT rewrite from C++ to Go.
- Latitude Finance — Data engineer. Snowflake, DBT, Airflow, AWS.
- ID Australia (PEXA Group) — Built mapping prototype. Vue.js, Postgres, AWS.
- Building Satellites in parallel as an internal delivery accelerator and commercial product.

IE

Mar 2025 – Jun 2025

Service Delivery Manager / DevOps Lead

- Led service, application and DevOps function for IE and its customers, with a team of five.
- Toyota (TMCA) — Led IE DevOps and service implementation; documented and handed over from incumbent vendor, then ran the services.
- Resolved pipeline impediments with digital delivery teams; ran root-cause analysis on technical and process issues.

Kalibre Pty Ltd

Jun 2024 – Mar 2025

Development Lead

- Led development of Kalibre Insight, a push-to-talk device management product for emergency services in Australia and the US.
- Stack: C#, Vue.js, SQL Server, Kafka, deployed to air-gapped customer environments.
- Designed and implemented an automated test platform using HashiCorp Packer, Terraform, Consul and Nomad against simulated customer datasets.

- Introduced agile delivery cadence for releases, bug fixes and roadmap features; managed two remote developers.
- Drove modernisation roadmap: real-time data UI and phase-out of legacy components.

Wesfarmers — OneDigital

Oct 2022 – May 2024

Partnerships Manager / Senior Developer / Senior Data Analyst

- Built a technical-analysis tool for commercial performance of OnePass and Flybuys across Bunnings, Kmart, Officeworks, Target and Catch.
- Stack: Vue.js SPA, Go microservices, Snowflake. Incremental ETL pipelines feeding a timeline charting tool with multiple overlays.
- Modelled cohorts using transaction value, RFM and membership-state splits to validate executive hypotheses and identify investment opportunities.

Stax.io

Aug 2021 – Oct 2022

Customer Success Manager / Senior Developer

- Defined and operated customer success measures for an AWS infrastructure automation product; onboarded five new customers and maintained five existing.
- Built a customer success metrics dashboard. Vue.js, Go, RavenDB, Docker Swarm, AWS, GitLab CI/CD.
- ETL from AWS, Jira, Salesforce, Intercom, HubSpot and internal APIs into Go / Redis / RavenDB.

Matrak

Jul 2020 – Aug 2021

Service Delivery Lead

- Defined service delivery processes for construction supply-chain products across Australia, China and the US.
- Built customer success metrics tooling. Vue.js, Go, RavenDB, Docker Swarm, AWS, GitLab CI/CD.
- Selected and migrated to a new service management platform (Zoho Desk).

Containerchain / WiseTech

Jul 2014 – Jun 2020

Head of Service Delivery

- Built and led a 20+ person global service team across L1, L2 (technical) and L3 (development) for 24/7 support.
- Developed a service management aggregation tool. Vue.js, C#, RavenDB, Docker, Azure DevOps, Linux, Zendesk, Nagios, Azure Service Bus, MS SQL, Octopus Deploy.
- Cleared a 10k ticket backlog, halved monthly volumes (1k to 500), zero SLA breaches over five years.
- Migrated service tooling from ServiceNow to Zendesk without customer outage; expanded application suite across 20+ sites in Asia-Pacific, Europe and the US.

Earlier roles

- SGS Professional — Architect / Business Consultant (Contract), 2014
- No Agent Property — Architect / Developer (Contract), 2014
- Litmus Group — Managing Consultant, 2012–2013
- General Motors Holden — Service Delivery Manager, 2008–2012
- Capgemini — Service Delivery Manager, 2005–2007
- PMP Limited — Senior Developer / Business Analyst, 2004–2005
- R.L. Polk Australia — Senior Developer / Architect / Product Manager, 2002–2004
- Autobyte.com.au — IT Business Analyst, 2001–2002

SELECTED PROJECTS

- **Satellites** — MCP-native agentic engineering platform. Go + SurrealDB on Fly.io. Dynamic contract generation, profile-based pipelines, memory store, multi-agent coordination. <https://satellites-pprod.fly.dev>
- **Vire** — SMSF portfolio platform. Go + SurrealDB, MCP-integrated. Gemini-powered compliance engine, EODHD market data, TradingView Pine Script integration. <https://vire-pprod-server.fly.dev>
- **Quaero** — Single-binary Windows service for local web crawling and natural-language query via MCP. Go, SQLite, chromedp, Ollama. github.com/ternarybob/quaero

CERTIFICATIONS & EDUCATION

- Bachelor of Digital Systems — Monash University (Clayton)
- AWS Certified Professional
- ITIL Foundation Certified V2 — Melbourne Institute of Technology
- PMP — Project Management for IT Professionals
- Ingres Administrator — Certified
- BMC Remedy; Solution Selling for Professionals; SQL Server for Professionals; Designing and Deploying Multilingual Applications