

Horacio Golding

Fractional CTO | Principal Engineer | API Platform & Cloud Consultant

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PROFILE

Principal engineer, consultant and fractional CTO with 25+ years of hands-on experience, from mainframes and heavy Oracle development to web systems, cloud platforms and AI-powered applications. I have worked at every level from developer to senior, lead, principal and CTO, in airlines, banking, payments, telecommunications, insurance, health and government, in startups and large organisations.

Since 2014 I have delivered contract and consulting work through my company, **Golding Software**, directly and with partner consultancies such as **Singularity Tech**. My current focus is Apigee X, GCP landing zones, AI engineering with Anthropic Claude, CI/CD and infrastructure as code, plus hands-on Java and TypeScript delivery. Outcomes include a 70% cut (about A\$500k a year) in an airline pricing system's cloud bill. I am a daily practitioner of AI-assisted development (Claude Code, agentic workflows). Golding Software also builds and owns **All Bubbles**, an online laundry platform offered as a franchise.

EXPERIENCE

KahuLogic - Fractional CTO / Principal Engineer

Feb 2026 – present

KahuLogic (kahulogic.com) is an early-stage startup building an AI-assistant platform that manages small-business websites, marketing outreach and CRM.

- Own the technology strategy and architecture; implemented the GCP landing zone.
- Implementing the product hands-on with a remote development team, using AI-assisted development (Claude Code, agentic workflows) throughout.
- Building the platform's agent orchestration, exposing product capabilities to internal and external AI agents via MCP.

Golding Software, consulting with Singularity Tech

May 2025 – present

Fractional Platform & API Consultant: platform, API and DevOps engineering engagements, part-time and remote.

For a major telco: improved the GitLab CI/CD pipelines; developed CAMARA network API proxies on Apigee OPDK; implemented Apigee OPDK monitoring and alerting with the Elastic stack; developed a supporting microservice.

For a financial services company: migrated the infrastructure code from Terragrunt to plain Terraform; now working in the platform team on the company's Kubernetes-based platform.

For another financial services company: implemented the GCP landing zone and Apigee X, and now working on migrating all API proxies from Apigee Edge to Apigee X.

Golding Software - Fractional Apigee & GCP Consultant

Jul 2025 – present

For a large organisation: Apigee expertise, especially infrastructure and CI/CD, and GCP guidance, plus ongoing SME support and continuous improvements such as faster CI/CD pipelines.

- Migrated secrets and Terraform state from HashiCorp Vault and Terraform Cloud to Azure Key Vault and Azure Blob Storage, saving hundreds of thousands of dollars a year.

Golding Software - Principal Engineer, for a major airline

Nov 2023 – present

Booking management (Principal Engineer, since Sep 2024): building the replacement for the airline's Amadeus e-Retail "Manage your booking" application, a modern UI over the Amadeus APIs to enquire on and change bookings.

- Drive architecture and technical design decisions for the new platform.

- Created the initial versions of the new front-end and back-end APIs.
- Developed the booking-cancellation functionality, shipped as an MVP and progressively rolled out to more markets while further booking-management functionality is developed.

Market pricing (Senior Software Engineer, Nov 2023 – Sep 2024): a system handling very large volumes of trip data.

- Led delivery of a new low-latency pricing API called from the airline's website, with data served from Redis.
- Performance and infrastructure redesign that cut the monthly cloud bill by 70% (about A\$500k a year).
- Migrated several services from EC2 to Kubernetes.

Java 17, Spring Boot, PostgreSQL, Redis, NextJS, Kubernetes, AWS (EC2, Aurora, SQS, S3), GitHub Actions

Golding Software, consulting with Terem

May 2023 – Nov 2023

For a national news organisation: implemented a GCP landing zone and Apigee X.

For a national retailer: implemented Apigee X on an existing GCP landing zone.

- Built CI/CD pipelines with automated testing to deploy Apigee X and its infrastructure, API proxies, shared flows and products.
- Built platform tooling that generates API proxies from OpenAPI specs and validates specs and proxies against compliance requirements.

Apigee X, GCP, Terraform, HashiCorp Vault, GitHub Actions, Ansible

Golding Software, consulting with Singularity Tech

Oct 2022 – May 2023

For a financial services company: designed and built an AWS-based system exposing secure inbound and outbound REST APIs to partners (mutual TLS, HMAC authentication), with CI/CD pipelines deploying both the APIs and the Terraform infrastructure.

For a major telco: developed a CI/CD pipeline deploying API proxies, shared flows, KVMs and other artefacts into Apigee X.

AWS API Gateway, Node.js Lambdas, NLBs, Route 53, ACM, Apigee X, Terraform, Bamboo

BetCloud - Principal Backend Engineer

Jun 2022 – Oct 2022

- Developed a microservices, event-driven system consolidating real-time events from multiple data feeds, using Kafka to stream data to the core consumer system and the data warehouse.
- Practised behaviour-driven development (BDD) with Cucumber. Java 17, Spring Boot, GKE, Confluent Kafka, MongoDB Atlas.

Rosemary Health - CTO, previously Lead Software Engineer

Aug 2020 – Jun 2022

Telehealth startup. Joined just before launch as Lead Software Engineer, reporting to the CTO; CTO from Sep 2021, reporting to the CEO and leading engineering.

- Scaled up to a large development team while staying hands-on in the development of all services with Python and AWS infrastructure, working in every area from infrastructure to development and production support. Built the doctor portal and worked on all other apps.
- Rebuilt CI/CD in GitHub Actions (30% faster builds, no build costs) and moved analytics from AWS Redshift/QuickSight to Google BigQuery and Data Studio.

Golding Software - Senior Software Engineer, for a major bank

Jan 2019 – Aug 2020

- In a DevOps team supporting superannuation back-end systems, developed a Spring Boot microservice on OpenShift performing stored-procedure and record-based data replication between Sybase and RDS SQL Server.

Golding Software - Senior Software Engineer, for a major airline

Mar 2018 – Jan 2019

- Implemented and supported Spring Boot microservices for a travel-money product on AWS (RDS MySQL, DynamoDB, ElastiCache, EMR, Lambda, S3).

EARLIER CAREER

- **ING Australia** - Lead Software Engineer, Apr 2017 – Mar 2018: led an Agile team; built critical components of the Apple Pay integration; moved the tribe from TFS to Git and to Java 8 / JBoss EAP 7.
- **Tyro Payments** - Software Engineer, Oct 2016 – Apr 2017: Spring Boot microservices for the lending system in an XP team (pairing, TDD).
- **Hollard Insurance** - Java Team Lead, May 2015 – Oct 2016: led the back-end team for home and motor insurance; a Jenkins CI/CD pipeline cut release cycles from one day to minutes.
- **ING Australia** - Senior Java Developer, Feb – Apr 2015: built a SOAP web service exposing data to external organisations.
- **NSW Department of Education** (contract) - Senior Java Developer, then Technical Lead & Solution Architect, Aug 2006 – Jan 2015 (with a break for Macquarie Group): led the modernisation of the vocational education systems and the new Skills NSW application; led a large team.
- **Macquarie Group** (contract) - Senior Java Developer, Nov 2010 – Sep 2011: trade settlements; migrated Java Swing applications to Java EE; eliminated frequent database deadlocks.
- **St George Bank** - Software Developer, Nov 1999 – Jul 2006: mainframe auto finance; a B2B insurance-partner website saving \$200k a year; replaced screen-scraping with MQSeries, cutting requests by 20 seconds and ending daily outages.

SKILLS

- **Languages & frameworks:** Java (8–21), Spring Boot, Python, TypeScript/Node.js, React, NextJS, SQL
- **API platforms & integration:** Apigee X, Apigee OPDK (Private Cloud), AWS API Gateway, REST, SOAP, CAMARA, mutual TLS, HMAC, microservices, event-driven systems
- **Cloud:** GCP (landing zones, GKE, BigQuery, IAM), AWS (EC2, Lambda, Aurora/RDS, DynamoDB, ElastiCache, S3, CloudFront, ECS, SQS, Cognito), Azure (Key Vault, Blob Storage)
- **DevOps & platform:** Kubernetes, Docker, Terraform, GitHub Actions, GitLab CI/CD, Jenkins, Bamboo, Ansible, HashiCorp Vault, Elastic stack
- **Data & messaging:** PostgreSQL, Oracle (PL/SQL), Redis, Kafka, MongoDB, MySQL, SQL Server
- **AI engineering:** Claude Code, agentic workflows, agent orchestration, MCP, AI adoption and guardrails for engineering teams
- **Leadership:** technology strategy, solution architecture, team leadership, hiring, mentoring, stakeholder management
- **Languages:** English and Spanish (both native or bilingual)

EDUCATION

- Master of Computer Science, University of New England, 2013 (GPA 6.75/7)
- Postgraduate Diploma in General Management, Macquarie University, 2004
- Bachelor of Civil Engineering, Andrés Bello Catholic University, 1994

CERTIFICATIONS

- Google Cloud Certified Professional Cloud Architect, 2023 (valid to Sep 2027)
- AWS Certified Solutions Architect – Associate, 2021–2024
- Sun Certified Programmer for Java 5, 2006