

Marvin Edward Summerour-Rhone

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marvin.technology — linkedin.com/in/marvinrhone — github.com/cornerbodega

Summary of Qualifications

Staff Engineer — AI Systems & Cloud Architecture — Technical Leadership, Product & Platform

Proven leader with a background spanning Computer Science, Economics, and Finance.
Full-Stack Systems Builder experienced driving cross-functional collaboration between
engineering, product, and client teams. Brown & BlackRock alumnus.

Technical Skills

Engineering Methodologies: Agile, Scrum, Kanban, CI/CD, Test Automation.

Languages & Frameworks: JavaScript (Full-Stack), TypeScript, Node.js, Python, PyTorch, TensorFlow, SQL, Swift, C#, and more.

Technical Leadership: System Architecture, API Design, AI Integration, Rapid Prototyping,
Mentorship, Cross-Functional Project Delivery.

Platforms & Tools: GCP, AWS, GitHub, Firebase, Docker, Jira, Linux; rapidly adapt to
emerging technologies.

AI/ML: Claude API, OpenAI API, prompt engineering, RAG, tool-use patterns, LangChain.

Professional Experience

Staff Backend Software Engineer, Foresight Data, Seattle, WA (Remote) — 2024 –

- Reduced metrics endpoint load time by 84% (51.6s → 8.4s) via batch-loading strategies that cut 99.7% of DB queries across 20+ client databases.
- Architected M&A linking logic for SOI reconciliation, eliminating false positives across 636 portfolio companies, fixing bugs that recovered \$15M+ for the first client alone.
- Built automated investigation tools — xquery (multi-DB SQL) and reporter (LaTeX-to-PDF) — powered by Claude Code prompts, reducing analysis time by 80% across 60+ tickets in the first 4 months.
- Audited and automated DB configuration deployments for 20+ client environments, cutting SOI upload errors by 75% through scripted backups and validation.

Sr. Software Engineer, Cookies, Seattle, WA (Remote) — 2022 – 24

- Led architecture of a headless PIM platform (Node.js + GCP) replacing Salsify, Bynder, CommerceTools, Contentful, and Tray.io — saving \$1M+ annually. Built a custom ETL pipeline replacing Google Dataprep to automate CSV ingestion into BigQuery for Tableau dashboards.

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- Integrated OpenAI ChatGPT API into financial workflows, enabling fuzzy matching and recovering \$1M+ in lost revenue. Built a GCP-based ML segmentation pipeline that boosted marketing open rates by 20%.
- Developed and optimized internal QC and “Walk-The-Store” apps, enabling real-time decisions and increasing retail field coverage by 30%.
- Mentored engineers and introduced Agile best practices, driving 25% higher team efficiency and elevating full-stack development capability across global teams.

Founder, ABC Traceability, Seattle, WA — 2014 – 2021

- Architected and launched a web application addressing regulatory compliance needs for the Washington State Liquor and Cannabis Board.
- Built a full-stack compliance platform (AngularJS, Node, MySQL) inspired by BlackRock’s Aladdin to meet regulatory needs in the cannabis sector.
- Presented and evangelized open API policies at AgroHack Conference in San Juan, Puerto Rico during compliance rulemaking.

Associate, BlackRock, Inc. New York, NY — 2010 – 2014

- Worked on Aladdin’s performance attribution and compliance automation systems, managing analytics for \$14T+ in institutional assets.
- Automated complex workflows including performance attribution and compliance reporting frameworks, significantly enhancing internal productivity and accuracy.

Education

B.A. Economics, Brown University, Providence, RI — 2010

- Teaching Assistant for CS15: Intro to Computer Science with Dr. Andy Van Dam.
- Teaching Assistant for ENGN9: Management of Industrial and Nonprofit Organizations with Professor Barrett Hazeltine.
- Brown Entrepreneurship Program Elevator Pitch Winner.
- Junior Semester Abroad, University Of Otago, New Zealand Spring 2009.

Professional Certificates

Machine Learning Specialization – Stanford University and DeepLearning.AI

- Supervised Machine Learning: Regression and Classification.
- Advanced Learning Algorithms.
- Unsupervised Learning, Recommenders, and Reinforcement Learning.

WebML102: Google AI with TensorFlow.js – Google

Open Source Projects

xquery – github.com/cornerbodega/xquery

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- Natural language database query system for Claude Code workflows. REST API enabling Claude to execute SQL queries across multiple PostgreSQL databases.
- Multi-statement query support with automatic backup generation before DELETE operations. Read-only by default for AI safety.

reporter — github.com/cornerbodega/reporter

- LaTeX to PDF conversion API for AI-generated reports. Send LaTeX, receive base64-encoded PDF in 1–3 seconds.
- Syntax highlighting for code blocks, optional logo insertion, auto-cleanup of temporary files.

Selected AI & Finance Projects

Creator of Motosai, motosai.com — 2024

- Multiplayer motorcycle MMO built in 5 weeks. Real-time WebSocket multiplayer at 60fps, realistic counter-steering physics, dynamic traffic AI.
- Three.js rendering with comic book cel-shaded aesthetic. 20,000+ lines of TypeScript.

Creator of Gunsmoke4 — 2024

- AI video generation pipeline transforming court transcripts into cinematic videos. SadTalker for lip-sync, Flux Pro/Midjourney for character portraits, RunPod GPU orchestration.
- 94% cost reduction vs commercial APIs (\$18–29 vs \$330–720 per 12-hour video).

Creator of Hedge Fund Hero, Seattle, WA — 2024 – Present

- iOS stock analysis game with 300+ users. RAG-powered fundamental analysis for every S&P 500 stock with AI-generated plain-English explanations.

Creator of Intelligence.Marvin.Technology, Seattle, WA — 2023 – Present

- AI-powered research wiki where users perform searches and receive shareable interlinked reports written by personified AI agents.

Recreation

Basketball, beaches, biking, hiking, skiing, music, comedy, cooking soul food, investing.

Professional references available upon request.