

# Marvin Edward Summerour-Rhone

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[marvin.technology](https://marvin.technology) — [linkedin.com/in/marvinrhone](https://linkedin.com/in/marvinrhone) — [github.com/cornerbodega](https://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](https://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](https://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](https://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.*