

Kevin Frost, Software Engineering Leader

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Staff/Principal Backend Engineer and Leader with extensive experience creating mission-critical distributed systems, leading international teams, and shipping high-impact products across security, cloud, and AI domains. Strong hands-on coder in Go, Python, JavaScript, and PostgreSQL, with additional experience in full-stack development (Next.js, MVC) and observability/platform reliability (Prometheus, Grafana, Kubernetes).

Open to onsite, hybrid, or remote roles (SF Bay Area or Los Angeles). US Citizen.

Technical Skills

- **Go (Golang)** — system programming, CLI, web/APIs, agentic AI
- **Python** — serverless/functions, full stack, AI/data, CLI, SaaS
- **JavaScript/TypeScript** — serverless/functions, Node, Next.js, React
- **PostgreSQL** — design/build/optimize, PL/pgSQL, tsvector, analytics
- **AWS/GCP** — architecture, serverless, migrations, security, multi-cloud
- **Platform/DevOps** — Linux, Docker, Kubernetes, infrastructure as code (Terraform)
- **Observability** — structured logging, monitoring & alerting, Prometheus, Grafana
- **Applied AI** — integration, agents, assistants (Claude Code, Cursor), fine-tuning
- **Security** — threat modeling, adversarial strategy, full stack security auditing

People Skills

- International Remote Team Leadership and Agile Project Management
- Customer-Facing Technical Communication (forward deployed, post-sales, support)
- Strong Written and Spoken Communication in English and German

Professional Experience

Tonsai LLC

Founder & Lead Engineer — 2022–present

- Delivered backend engineering and architecture for startups and enterprise clients.
- Prototyped full stack applications and integrated applied AI systems.
- Customized monitoring and dashboards (Prometheus/Grafana, D3) for industry clients.

Impact: Shipped production backend systems and open-source Agentic AI framework.

Kumulus Technologies

Contract Software Engineer — 2024–2025

- Developed software for GPU data-center management (4K H100s per cluster).
- Built Grafana dashboards and custom metrics collection to detect problem GPUs.
- Improved observability of problem nodes for ops teams handling \$MM/month customers.

Impact: Reduced MTTR and improved retention of a high-touch enterprise client.

Filial.AI***Technical Founder — 2023–2024***

- Defined technical strategy and architecture for pre-seed healthcare AI startup.
- Built prototype with Swift (iOS) front end and Go/PostgreSQL backend.

Impact: Delivered a working native iOS product for prospective investors.

Broadcom Inc.***Technical Director — 2020–2021***

- Provided technical leadership in an international team responsible for back-end systems.
- Led AWS-GCP migration and set direction for microservices and Perl-Python transition.
- Designed and implemented high-performance/serverless components in Go and Python.

Impact: Prepared the ground for an expected 80% cost savings and improved hiring posture.

Symantec Corporation***Technical Director — 2016–2020***

- Directed design and development for mission-critical anti-spam security systems.
- Managed modernization of legacy codebases and architecture migration to AWS.
- Oversaw full stack lifecycle of internal and customer-facing systems.

Impact: Delivered AWS applications (\$MM/mo cloud spend) without vendor lock-in, keeping customers safe in a period of rapidly escalating cyberattacks.

Senior Principal Software Engineer — 2010–2016

- Built high-throughput, high-availability backend services for millions of users.
- Enabled international team expansion by mentoring and scaling processes.

Impact: Expanded team in Asia, scaled product while Corporate went through restructuring.

Principal Software Engineer — 2006–2010

- Modernized web applications and introduced automated browser testing.
- Developed novel techniques to combat emerging PDF-based attacks.
- Streamlined database operations to support rapid feature delivery.

Impact: More than doubled web app feature velocity, defeated novel attacks, and helped retain \$MM/y Fortune-500 customers.

Earlier career includes biotech product safety, digital music (\$10M VC), and social networks.

BA German Studies, CSU Chico. Native English, fluent German, conversational Hungarian.