

# Kevin Frost, Software Engineering Leader

[biztos@mac.com](mailto:biztos@mac.com) [linkedin.com/in/biztos](https://linkedin.com/in/biztos) [github.com/biztos](https://github.com/biztos) +1 (415) 323-9373

Principal Software Engineer and Team Leader with extensive experience creating mission-critical distributed systems, leading cross-border teams, and shipping high-impact products across security, cloud, and applied/agentic AI. Strong AI-friendly hands-on coder in Go, Python, JS/TS, plus *any language* with GenAI support. Recent experience in full-stack app development (React, Expo, Tauri) and observability/reliability (Prometheus, Grafana). Exceptional communicator across functions, levels, media, cultures and languages.

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

## Technical Skills

- Software Architecture – creative problem-solving for real-world business needs.
- Software Development – systems programming, full-stack, CLI, web/APIs, agentic AI.
- Database Design & Development – Postgres, MySQL, SQLite3, et al; vectors, PL, etc.
- Platform/DevOps – Linux, Docker, Kubernetes, infrastructure as code, observability.
- Cloud – AWS and GCP, portable architecture, serverless, cost optimization.
- AI/LLMs – integration, agents, assistants, pipelines, visualization, user interfaces.
- Security – threat modeling, adversarial strategy, full stack security auditing.

## Leadership & Delivery

- Local and international remote team leadership; agile project management.
- Customer-facing technical engagements: documentation, forward-deployed, post-sales.
- Effective across executive leadership, product and sales, and engineering teams.

## Professional Experience

### Tonsai LLC

Founder & CEO – 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 internal apps (browser, mobile and desktop).

### Kumulus Technologies

Principal Software Engineer (Contract) – 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 Gulf enterprise client.

## Filial.AI

Technical Founder – 2023–2024

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

Impact: Shipped a working native iOS demo app 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, and social networks.**

BA German Studies, CSU Chico. Native English, fluent German. Coding since Age 10.