

Khai Phan

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EXPERIENCE

Founding Engineer

PromptArmor (YC W24)

Oct 2025 – Present

San Francisco, CA

Note: Operating in strict stealth mode; technical details generalized to protect proprietary market strategy.

- Re-engineered an internal monitoring platform and data dashboard within a 2-week sprint, cutting manual operational intervention from 70% to 0%.
- Developed intuitive user interfaces and event-driven automation playbooks, reducing system friction and total workflow triage time by 92%.

Software Engineer

Tesla

Jan 2024 – Oct 2025

Fremont, CA

- Integrated automated screenshot capture into automated test reports, reclaiming 16 team-hours weekly for 4 engineers by streamlining debugging processes and accelerating release cycles
- Developed and rapidly iterated on 12 REST API endpoints using Golang in collaboration with CATL, integrating Tesla's employee data with CATL's user management system
- Implemented an AI Test Automation agent using Python and the Agno library to reduce time spent writing boilerplate end-to-end test code for Tesla One Vision team by 1.5 hours per week
- Automated test environment deployment in CI/CD pipeline by developing a custom tool in Go to run when releases are cut, eliminating 3 hours weekly of manual release regression setup

PROJECTS

WTCS Map Ban | *React, TypeScript, Convex, Netlify, Tailwind*

Dec 2024 – Present

- Built a real-time map-ban voting web app used by 127 members of the official War Thunder eSports team for tournament matches
- Productionized the app with rate limiting, observability/telemetry, and voting fraud prevention measures; added 300+ unit tests and 12+ end-to-end tests running in GitHub Actions

Akula Bot | *Python, discord.py, PostgreSQL, pytest, Fly.io*

Feb 2024 – Nov 2025

- Developed and maintained a Twitch stream notification Discord bot using Python and PostgreSQL used by approximately 250 users between 3 servers
- Deployed a CI/CD pipeline with 30 pytest unit and integration tests running on a development server environment; decreased testing and deployment time by 1 hour per release

SKILLS

Languages: Python, JavaScript, TypeScript, SQL, HTML, CSS, Golang, C, C++

Frameworks: React, Next.js, FastAPI, Node.js, Express.js, Flask

Technologies: Git, Docker, PostgreSQL, REST APIs, Claude Code, AWS, Cursor, Kubernetes, Redis

EDUCATION

Oregon State University

Bachelor of Science in Computer Science

Sep 2019 – Sep 2023

Corvallis, OR

- Dean's List/Honor Roll (all terms); Summa Cum Laude; GPA: 3.98/4.00