

Khai Phan

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EXPERIENCE

Founding Engineer

Oct 2025 – Present

PromptArmor (YC W24)

San Francisco, CA

- Engineered an internal shareable alerts system enabling customers to route security risk alerts to business owners; adopted by 31 organizations
- Refined our internal platform for publishing reports and monitoring vendors in 2 weeks, cutting weekly rate of reports requiring manual intervention from 70% to 0%
- Shipped end-to-end vendor tagging using Python's OpenAI SDK, labeling 20,000 vendors with security metadata and building an internal control panel to manage tags
- Developed an LLM-powered pipeline to extract AI security settings/configurations, increasing actionable findings on reports and reducing customer AI risk

Software Engineer

Jan 2024 – Oct 2025

Tesla

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

Software Development Intern

Jun 2023 – Aug 2023

Cue Health

Remote (US)

- Reduced the time to treatment recommendation (in seconds) for customers by 21.7% by implementing multi-select widget answers in the health chatbot using OpenAI API and Java
- Enhanced the chatbot's recommendation capabilities by researching, comparing, and integrating the best of 3 vector databases for suggesting relevant company blog posts to end users

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

Sep 2019 – Sep 2023

Bachelor of Science in Computer Science

Corvallis, OR

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