

Ankush Kamble

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SUMMARY

Software Engineer with 4+ years building Python/REST infrastructure, CI/CD automation, scalable test systems, and production full-stack applications with a focus on reliability, debugging, and code quality. Experienced translating product requirements into architecture design and production implementation across AI API integrations, SQL-backed services, edge deployments, and monitoring-driven optimization.

TECHNICAL SKILLS

Languages & Frameworks: Python, TypeScript, FastAPI, Django, Hono.js, SwiftUI, React, SQL, HTML/CSS
Cloud & Platforms: Cloudflare Workers, Cloudflare KV, OpenAI API, Stripe Integration, Firebase, Supabase, PostgreSQL
DevOps & Infrastructure: CI/CD, GitHub Actions, Jenkins, Docker, Kubernetes, Automation Frameworks, Selenium
Product & Methodology: Product Roadmapping, User Research, Agile/Scrum, A/B Testing, Data Analysis

EXPERIENCE

Software Engineer — Core Infrastructure & Tooling — Aquent Canada, Toronto *Aug 2021 – Present*

- Partnered with Product Managers and Engineering Leads to convert SaaS roadmap needs into technical specifications, balancing product delivery with software architecture and implementation constraints.
- Authored multi-environment CI/CD workflows in GitHub Actions and Jenkins, reducing build friction by restructuring deployment jobs around reliability and operational maintenance needs.
- Deployed a Docker- and Kubernetes-based Selenium Grid for distributed test execution, giving engineering teams scalable cross-browser coverage and stronger verification mechanisms across environments.
- Developed Python/REST microservices that connected runtime diagnostics engines with project management APIs, improving issue triage through automated failure routing and clearer error-pattern visibility.

SELECT PROJECTS

Nura — AI Skincare Companion — Founder & Lead Engineer *Present*

- Implemented a native SwiftUI iOS application backed by an asynchronous FastAPI, Python, and SQL service layer for production user workflows.
- Integrated the OpenAI API to generate context-aware vector embeddings and personalize application behavior through data-driven AI pipelines.
- Tracked DAU/MAU usage and retention data to guide backend query tuning and SQL database processing optimizations.

microlink — Production URL Shortener — Creator & Systems Engineer *Present*

- Designed a production URL shortener on Cloudflare Workers and Supabase, routing redirects through Cloudflare KV before the DB to keep latency under 50ms on free-tier infrastructure.
- Applied SHA-256 short-code generation with retry and random fallback logic, then used Knuth's multiplicative hash on sequential DB IDs so links could not be guessed or collide silently.
- Hardened the API against SSRF by rejecting private IP ranges, localhost, and the AWS metadata endpoint, while wiring Google Safe Browsing with a fail-open design for third-party outage tolerance.

EDUCATION

B.Sc. Computer Science, University of Georgia — Athens

Dec 2021