

Aki Ovaska

Software Engineer

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Summary

Full-stack Software Engineer with 11+ years of experience building commercial ecommerce SaaS products across frontend, backend, APIs, integrations, checkout, payments, data and platform development.

I've worked across several generations of web development, starting in the PHP, MySQL, JavaScript, jQuery and Bootstrap era, then moving into Angular-based applications, Vue, Tailwind CSS and increasingly API-driven systems, followed by TypeScript, React, Next.js, Node.js, PostgreSQL and cloud-based services.

Along the way, my work expanded from frontend and storefront development into backend systems, APIs, integrations, authentication, checkout, payments, product and catalog systems, data and infrastructure. AI-assisted engineering is now part of my day-to-day workflow across research, planning, prototyping, implementation, debugging, testing, review and documentation, with a growing focus on agents, context engineering and developer tooling.

Experience

Finqu | Software Engineer

Apr 2015 – present

Worked hands-on across Finqu's multi-tenant ecommerce SaaS platform since 2015, spanning frontend and backend systems, merchant applications, storefronts, APIs, integrations, checkout, payments, data and platform development.

- Built Finqu Marketplace as a React/Next.js headless storefront using Finqu Storefront GraphQL, PostgreSQL, OAuth/PKCE, Stripe payment processing, integrations and automated testing
- Built Finqu Feeds, a configurable product-data syndication system using Liquid templates to transform catalog data into integration-specific XML, JSON, CSV and text feeds for external platforms, with automated generation and token-protected URLs
- Built Finqu Account Portal, covering centralized login, account access, sessions, two-factor authentication and OAuth-based authorization for connected Finqu products
- Built Finqu Partner Portal, a self-service interface for partners and developers covering onboarding, app and theme workflows, OAuth clients and partner functionality
- Built Finqu ecommerce storefronts and Liquid themes using JavaScript, HTML and Sass/SCSS, and worked extensively on the underlying theme architecture and editor
- Built Finqu Cool UI kit, a reusable component library and shared UI foundation used across Finqu Commerce, partner tooling and embedded partner apps
- Worked extensively on Finqu Commerce, the merchant-facing ecommerce application, across JavaScript/Vue interfaces, PHP and shared backend services, catalog, orders, customers, pricing, integrations and background processing
- Worked on Finqu's versioned public REST API and Storefront GraphQL API, including backend implementation, contracts, consumers and OAuth/scope authorization, and on hosted checkout across Liquid/Vue interfaces, APIs, order flows and payment logic
- Worked on Finqu Administrator, internal tooling for merchant accounts, subscriptions and package features, alongside third-party integrations, background processing, company websites/SEO and infrastructure

Technical Skills

Frontend: TypeScript, JavaScript, React, Next.js, Vue, Angular, Nuxt, HTML5, CSS3, Sass/SCSS, Tailwind CSS, Liquid, shadcn/ui

Backend: Node.js, TypeScript, JavaScript, PHP, Python

APIs & Integrations: REST APIs, GraphQL, SOAP, OpenAPI, Webhooks, API Design, API Versioning, Third-Party APIs, Partner Integrations

AI-Assisted Engineering & Automation: AI-Assisted Software Development, Context Engineering, Claude Code, OpenAI Codex, Cursor, Model Context Protocol (MCP), Multi-Agent Orchestration, Custom Agent Skills, Persistent Project Context, Long-Running Agent Workflows, LLM Application Development, n8n, Workflow Automation, Verification & Review Workflows

Ecommerce, Checkout & Payments: Ecommerce, Software as a Service (SaaS), Multi-Tenant SaaS, Product & Catalog Management, Product Variants, Inventory, Pricing, Orders, Customers, Merchant Administration, Storefronts, Headless Commerce, Headless Storefronts, Themes, Checkout, Product Feeds, Stripe, Stripe Connect, Payment Integrations

Data & Background Processing: SQL, PostgreSQL, MySQL, MariaDB, Redis, ClickHouse, Apache Kafka, Resque, Sidekiq, Background Jobs, Asynchronous Processing

Authentication & Security: OAuth 2.0, OAuth PKCE, JWT, HMAC, Authentication, Authorization, Session Management, API Authentication

Testing & Quality: Playwright, Vitest, PHPUnit, Unit Testing, Integration Testing, End-to-End Testing, Code Review

Cloud, Delivery & Infrastructure: Git, GitHub, GitHub Actions, CI/CD, Docker, Kubernetes, Amazon Web Services (AWS), Vercel, Cloudflare, Ansible, Linux

Observability, Search & Analytics: Sentry, Grafana, Elasticsearch, Mixpanel, Google Analytics, Google Tag Manager, Cloudflare Web Analytics

Engineering Practices: Software Architecture, Technical Documentation, System Investigation, Task Decomposition, Verification-Led Development

Education

JAMK University of Applied Sciences

Aug 2024 – Dec 2026

Bachelor of Engineering in Information and Communications Technology, 240 ECTS

- Specialization: Software Engineering
- Bachelor's thesis: Architecture and Implementation of a Marketplace for a Distributed Commerce Platform

Hyria Education

Aug 2012 – May 2015

Vocational Qualification in Information and Communications Technology, 120 ECTS

Languages

English: Full professional proficiency

Finnish: Native

Swedish: Limited working proficiency

Thai: Elementary proficiency