Vahid Keshavarz

Senior Software Engineer

Full-Stack & Backend | PHP/Laravel, Node.js/NestJS, Vue/Nuxt

Istanbul, Turkey | Open to international relocation | Available for remote roles

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Professional Summary

Hands-on Senior Software Engineer with 7+ years building SaaS platforms, digital marketplaces, real-time systems, and high-performance services. Work across PHP/Laravel, TypeScript, Node.js/NestJS, Vue/Nuxt, and React, with ownership from architecture and implementation through AWS deployment and production support. Currently combine individual-contributor delivery with technical leadership for a multi-currency marketplace with more than 10,000 active listings.

Technical Skills

Backend: PHP, Laravel, TypeScript, Node.js, NestJS, REST APIs, Webhooks, WebSocket, background jobs, caching, idempotency, rate limiting, API versioning
Frontend: Vue.js, Nuxt.js, React.js, JavaScript, Vite, Vuetify, SSR/SSG, PWAs, SEO
AI Integration: OpenAI-compatible APIs, RAG, embedding retrieval, MCP, human-in-the-loop review
Data & Messaging: PostgreSQL, MySQL, Elasticsearch, Redis, schema design, indexing, query optimization
Cloud & Delivery: AWS ECS, EC2, RDS, S3, CloudWatch, Docker, systemd, CI/CD, GitHub Actions, Cloudflare, Sentry, observability, PHPUnit, Vitest, E2E testing
Engineering Practices: System design, technical architecture, Agile/Scrum, mentoring, code review, OWASP practices, RBAC, MFA, least-privilege access

Professional Experience

GEMGEM *Hong Kong SAR | Remote*
Senior Software Engineer (promoted to Technical Team Lead) *Jan 2024 - Present*

- Own hands-on architecture and feature delivery across Laravel, Vue/Nuxt, search, payments, security, and AWS for a multi-currency jewelry marketplace with more than 10,000 active listings, spanning buyer, seller, checkout, administration, order-management, and customer-support workflows.
- Reduced Elasticsearch search latency from approximately 10 seconds to under 400ms and removed an approximately 10-second upload bottleneck through query, indexing, caching, database-access, and asynchronous-job improvements.
- Separately fixed N+1 queries, added caching, and optimized backend logic on a set of legacy API endpoints, cutting response times from 5-6 seconds down to well under half a second.
- Designed and shipped a production AI shopping concierge that converts natural-language buyer intent into diamond search criteria and live inventory recommendations, answers policy questions through embedding retrieval, and routes uncertain cases to human experts.
- Built an authenticated MCP interface for controlled order queries and operational actions and shipped AI-generated listing content and product-page verdicts with mandatory human review; wrote the team's playbook for using AI coding agents safely in production – mandatory disclosure on every AI-authored change and automated checks that block a merge until it's reviewed.
- Led the Nuxt 2 to Nuxt 3 migration and PWA delivery, increasing valid indexed pages by approximately 7,000, raising SEO health from 5 to 90+, and improving Core Web Vitals and Lighthouse scores from approximately 25 to 90+.
- Designed and built a payment-routing engine for checkout – eight distinct pricing paths that decide which payment methods are available and what bank-transfer discount or BNPL surcharge applies, based on seller trust level, certification status, and order value – documented in an architecture decision record and covered by a dedicated test suite.
- Improved platform reliability across AWS ECS, EC2, RDS, S3, and CloudWatch through monitoring, automated CI/CD, release validation, security controls, and incident response.
- Promoted to Technical Team Lead in Jan 2025 while remaining hands-on; support a nine-person cross-functional team through technical design, code reviews, mentoring, weekly releases, and engineering interviews.

Agate Enchantment *Milan, Italy | Remote*
Senior Full-Stack Engineer *Apr 2026 - Jul 2026*

- Weekend contract (20 hrs/week), concurrent with a full-time role at GEMGEM. Owned client SaaS dashboards and web tools as the sole engineer, from stakeholder discovery and UX decisions through architecture, implementation, deployment, and support.
- Delivered solutions across React, Node.js/NestJS, Vite, and WordPress while adapting architecture to client infrastructure, hosting limitations, and product requirements.
- Automated release workflows and configured Cloudflare caching, CDN, and DNS, improving deployment consistency, rollback readiness, and production performance.

Datall Co. *Tehran, Iran*
Senior Backend Developer – C++/Qt Systems *May 2022 - Mar 2024*

- Built reusable C++/Qt backend frameworks with modular, plugin-based, and multithreaded architecture; profiled CPU, memory, and concurrency bottlenecks to improve throughput.
- Implemented Apache Kafka, ZeroMQ, REST, and WebSocket services for real-time messaging, sensor-data processing, notifications, and visualization.
- Packaged and operated services with Docker and systemd and implemented token-based authentication for protected service-to-service communication.

Technical Team Lead & Full-Stack Developer *Apr 2021 - May 2022*

- Led a five-person cross-functional team building an IoT platform across frontend, backend, real-time pipelines, and client deployments.
- Built the frontend with Nuxt.js and the backend with NestJS and Cassandra; implemented MQTT over WebSocket and JWT-based role- and policy-based access control.
- Standardized telemetry, error handling, and Docker-based deployments across services and client environments.

AKOInTech *Tehran, Iran*
Full-Stack Developer – Nuxt.js/Laravel *Dec 2019 - Apr 2021*
Frontend Developer – Vue.js/Nuxt.js *Jul 2019 - Dec 2019*

- Delivered a trading platform with WebSocket-based chat, notifications, registration, token-based authentication, and integration with a Laravel/PHP backend.
- Built an IoT platform using Nuxt.js, Vuetify, Sails.js, PostgreSQL, REST APIs, WebSocket, Docker, regression testing, and a Cordova-based Android application.

Certifications

Claude Code in Action *Anthropic Academy*
Claude Code Agent Skills *Anthropic Academy*
Leadership Principles for Software Engineers *Coursera*
AWS Educate: Cloud Computing *Amazon Web Services*
Basics of Scrum *Project Management Institute*

Education

M.Sc. in Drilling Engineering (computational and simulation research), Amirkabir University of Technology, 2016-2018
B.Sc. in Petroleum Engineering, University of Tehran, 2012-2016

Languages

English – Professional working proficiency | Persian – Native | Turkish – Beginner