

Harun Geçit

Senior Full Stack Developer & AI Engineer

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PROFESSIONAL SUMMARY

Senior Software Engineer and AI Engineer with 15+ years of experience building high-concurrency, distributed systems and 2+ years shipping production LLM systems. Expert in PHP/Laravel and Go; architect of RAG pipelines on PostgreSQL + pgvector, multi-agent orchestration, and real-time platforms (WebSockets, gRPC) engineered for millisecond latency under extreme load; ships edge-native full-stack products on Next.js + Cloudflare Workers/D1. Led backend architecture of a TÜBİTAK 1501-funded AI performance platform; delivered end-to-end e-commerce, ERP, logistics and IoT/RFID systems. Builds with LLMs daily, from embeddings and fine-tuning to agents and AI-secured CI/CD. 100+ projects shipped.

Core stack: PHP/Laravel, Go, Python, TypeScript, React/Next.js, PostgreSQL/pgvector, RAG & Multi-Agent LLM systems, gRPC/WebSockets, Docker/Kubernetes, GitOps, Cloudflare Workers/D1.

PROFESSIONAL EXPERIENCE

Senior Full Stack Developer & AI Engineer

USTEK RFID Elektronik Yazılım A.Ş., Istanbul, Türkiye

July 2022 – Present

Enterprise RFID, IoT and AI-integrated ERP systems

- Architected production RAG systems (Laravel AI, Ollama, pgvector) automating complex ERP operations; AI assistants resolve natural-language requests for inventory reports, stock analysis and ERP transactions.
- Engineered real-time RFID tracking and personnel identification pipelines in Go (Fiber, Echo) and Node.js, sustaining millisecond-level latency on PostgreSQL for live hardware communications.
- Embedded LLM-based code review and AI security scanning into CI/CD pipelines, raising release quality while cutting review turnaround.
- Designed asynchronous task queues and Redis Pub/Sub streams powering enterprise textile tracking with HR integration; maintained Zend Framework legacy modules alongside the modern Laravel stack.
- Technologies: Go, Laravel, Zend Framework, PostgreSQL, pgvector, Ollama, RAG, Node.js, Redis Pub/Sub, RFID/IoT.

Software Advisor & Software Architect

CatchPad Smart Training Platform, Istanbul, Türkiye

April 2022 – Present

AI-powered athletic performance platform, TÜBİTAK 1501 R&D project

- Lead the backend architecture (Laravel, PostgreSQL, Elasticsearch, Redis) of a nationally funded TÜBİTAK 1501 AI sports-performance platform.
- Built real-time exercise analysis and smart recommendation engines with Python and TensorFlow, including model fine-tuning workflows and multi-LLM orchestration.
- Operate high-availability infrastructure: Docker, load balancers and fully automated CI/CD pipelines; React frontends secured behind Cloudflare (WAF/DNS).
- Technologies: Laravel, Python, TensorFlow, Elasticsearch, Redis, React, Docker, CI/CD, Cloudflare.

Senior Full Stack Developer

Gourmeturca.com, Istanbul, Türkiye

March 2021 – July 2022

Global gourmet e-commerce and operations platform

- Built a PHP-based operations web portal covering order tracking, invoicing, shipment management and transactional mailing; the operational backbone of the e-commerce business.
- Developed warehouse, stock and inventory management with real-time synchronization against Oracle NetSuite ERP through complex RESTful and SOAP integrations.
- Integrated global logistics carriers (DHL, FedEx, UPS) for automated shipment creation, label generation and delivery tracking.
- Delivered the API layer and mobile app integration (React Native), keeping web, mobile and ERP stock pipelines consistent in real time.
- Scaled backend modules to survive extreme traffic spikes during global e-commerce campaigns.
- Technologies: PHP, Laravel, Oracle NetSuite, SOAP/REST APIs, React Native, MySQL, Redis, DHL/FedEx/UPS APIs.

Full Stack Developer

Sadıkoğulları Technology Communications Ltd., Türkiye

May 2020 – January 2021

- Developed sentiment analysis applications for schools; containerized server installations and applications with Docker; shipped corporate web and e-commerce solutions.
- Technologies: PHP, Docker, NLP, E-commerce.

Freelance Full Stack Developer

Self-employed, Türkiye

January 2011 – August 2019

- Delivered web platforms, e-commerce sites and server infrastructure for SMEs over 8+ years: WordPress, OpenCart and Drupal builds; Linux server setup, DNS management and virtualization. The foundation of 100+ shipped projects.
- Technologies: WordPress, OpenCart, Drupal, Linux, DNS, Virtualization.

PROJECTS

- **RAG Knowledge Engine:** Production RAG on PostgreSQL + pgvector with hybrid search, reranking and multi-LLM support. Technologies: pgvector, embeddings, LLM.
- **Multi-Agent AI Toolkit:** LLM orchestration layer routing tasks across models with custom skills, web-search agents and token-cost optimization. Technologies: multi-LLM, agents, function calling.
- **Atlas PM (Freelance CRM & Client Intake):** Project/CRM panel and public client-intake form shipped as one Cloudflare Worker serving 4 domains; Next.js 15 (App Router, Server Actions) via OpenNext, D1 + Drizzle ORM (34 tables), R2, KV, cron triggers; custom crypt/TOTP authentication, 11-layer spam defence, HMAC-signed license API. Technologies: Next.js, TypeScript, Cloudflare Workers, D1, R2, KV. basvuru.harungecit.dev
- **Smart Changelists (Open Source):** VS Code extension bringing JetBrains-style changelists to Git workflows. Technologies: TypeScript, VS Code Marketplace. github.com/harungecit/smart-changelists
- **PHP Email Validator (Open Source):** Validation library detecting 4,900+ disposable domains with MX-record checks. Technologies: PHP, Composer. github.com/harungecit/php-email-validator
- **Vigilon (Open Source):** Multi-platform service monitoring with Telegram alerts and role-based access. Technologies: Go, SQLite, Docker. github.com/harungecit/vigilon
- **AI Infra Academy:** Interactive bilingual platform teaching AI infrastructure engineering, GPU/VRAM optimization and distributed systems. Technologies: React, TypeScript, Tailwind CSS. github.com/harungecit/ai-infra-academy

- **UBL Viewer (Open Source):** Browser extension rendering Turkish e-Invoice / e-Waybill documents (GİB, UBL 2.1, Peppol). Technologies: JavaScript, Browser Extension. github.com/harungecit/ubl-viewer

TECHNICAL SKILLS

Programming Languages: PHP 8.x, Go, Python, JavaScript, TypeScript, SQL, Bash, C#

AI / LLM Engineering: RAG architectures, pgvector, embeddings, model fine-tuning, prompt engineering, multi-agent orchestration, function calling, web-search agents, token accounting, guardrails, Ollama, Vertex AI, OpenRouter, TensorFlow, Hugging Face, LangChain, Claude API, OpenAI API, Gemini API

AI Development Tools: Claude Code, OpenAI Codex, Gemini CLI, Cursor, GitHub Copilot, TRAE, custom agents and orchestration layers

Backend: Laravel (Livewire, Inertia, Filament, Nova, Horizon, Sanctum, Passport, Forge), FrankenPHP, Go (Fiber, Gin, Echo), Node.js (Bun, Express), Codelgniter, Zend Framework

Frontend: React, Next.js (App Router, React Server Components, Server Actions), React Native, Vue.js, Alpine.js, jQuery, Tailwind CSS, Bootstrap, Vite

Databases & Messaging: PostgreSQL, MySQL, MariaDB, Redis, Elasticsearch, MongoDB, RabbitMQ, Memcached, SQLite, Cloudflare D1, Cloudflare R2, Cloudflare KV, Drizzle ORM, Firebase, Supabase

APIs & Real-Time: RESTful APIs, gRPC, GraphQL, SOAP, WebSockets, Redis Pub/Sub, asynchronous task queues, OAuth 2.0, JWT, webhook architectures

DevOps & Cloud: Docker, Docker Swarm, Podman, Kubernetes, GitOps, CI/CD, GitHub Actions, Cloudflare Workers, Cloudflare D1, R2, KV, Cron Triggers, Turnstile, Cloudflare WAF/DNS, OpenNext, Wrangler, serverless / edge deployments, Coolify, Dokploy, Portainer, Nginx, HAProxy, Traefik, Caddy, Linux (Debian, Ubuntu), AWS, GCP, Azure, Hetzner

Observability: Grafana, Prometheus, Zabbix, ELK Stack, Graylog, structured and centralized logging

Security: AI-powered code review, SAST, vulnerability scanning, Cloudflare WAF, Cloudflare Turnstile, OAuth 2.0 / JWT hardening, bcrypt password hashing, TOTP 2FA, HMAC-signed tokens, AES-GCM encryption (WebCrypto), rate limiting, anti-spam pipelines, KVKK / GDPR compliant data handling, cybersecurity fundamentals

EDUCATION

Computer & Instructional Technologies Education

Erzincan Binali Yıldırım University, Erzincan, Türkiye
September 2016 – June 2019

Science & Technology Education

Erzincan Binali Yıldırım University, Erzincan, Türkiye
September 2011 – May 2015

CERTIFICATIONS

- cPanel & WHM Administrator (CWA)
- CCNA Cert Prep: ICND2
- Cybersecurity Fundamentals

LANGUAGES

- English – Intermediate (B1)
- Turkish – Native