

HARUN GEÇİT

Senior Full Stack Developer & AI Engineer

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15+

YEARS IN SOFTWARE

100+

PROJECTS SHIPPED

3+

YEARS LLM IN PRODUCTION

8+

AI TOOLS IN DAILY USE

01 SUMMARY

Senior Software Engineer & AI Engineer with **15+ years** building high-concurrency, distributed systems — and **3+ 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. Led backend architecture of a **TÜBİTAK 1501-funded** AI performance platform; delivered end-to-end e-commerce, ERP, logistics and IoT/RFID systems. I don't just use AI — **I build with LLMs every single day**, from embeddings and fine-tuning to agents and AI-secured CI/CD.

PHP/Laravel · Go · Python · TypeScript · React · PostgreSQL/pgvector · RAG & Multi-Agent LLM · gRPC/WebSockets · Docker/K8s · GitOps · Cloudflare

02 PROFESSIONAL EXPERIENCE

Senior Full Stack Developer & AI Engineer — USTEK RFID Elektronik Yazılım A.Ş.

Jul 2022 – Present

Enterprise RFID, IoT & AI-integrated ERP systems — Istanbul

- 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 & 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.

Go · Laravel · Zend · pgvector · Ollama · RAG · PostgreSQL · Node.js · Redis Pub/Sub · RFID/IoT

Software Advisor & Software Architect — CatchPad Smart Training Platform

Apr 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).

Laravel · Python · TensorFlow · Elasticsearch · Redis · React · Docker · CI/CD · Cloudflare

- ▶ 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.

PHP

Laravel

Oracle NetSuite

SOAP/REST

React Native

MySQL

Redis

DHL/FedEx/UPS

- ▶ Developed **sentiment analysis applications** for schools; containerized server installations and applications with **Docker**; shipped corporate web and e-commerce solutions.

PHP

Docker

NLP

E-commerce

- ▶ 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.

WordPress

OpenCart

Drupal

Linux

DNS

Virtualization

03

SELECTED PROJECTS & OPEN SOURCE

RAG Knowledge Engine

Production RAG on PostgreSQL + pgvector with **hybrid search & reranking** and multi-LLM support.

2024- · pgvector · embeddings · LLM

RFID Tracking System

Enterprise RFID platform for **textile tracking and HR integration** — live inventory over IoT hardware.

2022- · Laravel · PostgreSQL · IoT

PHP Email Validator

OSS

Validation library detecting **4,900+ disposable domains** with MX-record checks.

PHP · Composer

AI Infra Academy

Interactive bilingual platform teaching **AI infrastructure engineering** — GPU/VRAM optimization, distributed systems.

2025- · React · TypeScript · Tailwind

Multi-Agent AI Toolkit

LLM orchestration layer routing tasks across models — custom skills, web-search agents, **token-cost optimization**.

2024- · multi-LLM · agents · function calling

Smart Changelists

OSS

VS Code extension bringing **JetBrains-style changelists** to Git workflows.

TypeScript · VS Code Marketplace

Vigilon

OSS

Multi-platform service monitoring with **Telegram alerts** and role-based access.

Go · SQLite · Docker

UBL Viewer

OSS

Browser extension rendering **Turkish e-Invoice / e-Waybill** documents (GİB, UBL 2.1, Peppol).

JavaScript · Browser Extension

04

TECHNICAL SKILLS

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 / OpenAI / Gemini APIs
AI Dev Tools	Claude Code, OpenAI Codex, Gemini CLI, Cursor, GitHub Copilot, TRAE, custom agents & orchestration layers
Backend	Laravel (Livewire, Inertia, Filament, Nova, Horizon, Sanctum, Passport, Forge), FrankenPHP, Fiber, Gin, Echo (Go), Node.js (Bun, Express), CodeIgniter, Zend
Frontend	React , React Native, Vue.js, Alpine.js, jQuery, Tailwind CSS, Bootstrap, Vite
Data & Messaging	PostgreSQL , MySQL/MariaDB, Redis, Elasticsearch, MongoDB, RabbitMQ, Memcached, SQLite, 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 (Swarm), Podman, Kubernetes, GitOps, CI/CD (GitHub Actions), Coolify, Dokploy, Portainer, Nginx, HAProxy, Traefik, Caddy, Cloudflare (WAF/DNS), Linux (Debian/Ubuntu), AWS, GCP, Azure, Hetzner
Observability	Grafana, Prometheus, Zabbix, ELK Stack, Graylog, structured & centralized logging
Security	AI-powered code review & SAST, vulnerability scanning, Cloudflare WAF, OAuth 2.0/JWT hardening, cybersecurity fundamentals

■ 05 EDUCATION

Computer & Instructional Technologies

Erzincan Binali Yıldırım University · 2016 — 2019

Science & Technology Education

Erzincan Binali Yıldırım University · 2011 — 2015

■ 06 CERTIFICATIONS & LANGUAGES

- ▶ cPanel & WHM Administrator (CWA)
- ▶ CCNA Cert Prep: ICND2 · Cybersecurity Fundamentals
- ▶ **English:** Intermediate (B1) · **Turkish:** Native