HARUN ERKAM BALI

Full Stack Developer | C#/.NET | Django | FastAPI | React | Node.js

Türkiye | Open to Remote | +90 539 569 28 75 | admin@harunerkam.com | harunerkam.com
linkedin.com/in/harunerkam | github.com/erkamspyjamas

PROFESSIONAL SUMMARY

Full Stack Developer with 3+ years of experience delivering production APIs and web applications end-to-end. Builds C#/.NET applications with ASP.NET Core and Entity Framework Core, alongside Django, FastAPI, Node.js/Express.js, React/Next.js and Go. Works with MSSQL, PostgreSQL and Redis, from relational modeling and API design to user-facing interfaces and internal tools. Experienced in authentication, dashboards, billing workflows, automation, real-time/AI integrations and production delivery across Windows Server and Linux using Docker, Kubernetes (k8s) and CI/CD.

CORE TECHNICAL SKILLS

Frontend: React, Next.js, JavaScript, TypeScript, HTML, CSS, responsive UI, dashboard/admin interfaces and API integration

Backend: C#, .NET, ASP.NET Core, Entity Framework Core, Python, Go, Django / DRF, FastAPI, Node.js / Express.js, NestJS, REST APIs, JWT/session auth and RBAC

Data & Application Services: MSSQL / SQL Server, PostgreSQL, Redis, MySQL, MongoDB, Firebase; relational modeling, migrations, indexing, transactions, query optimization and caching

Full-Stack Product Work: Authentication, user/session flows, analytics, content/media handling, forms, admin tools, billing workflows, integrations and automation

DevOps & Production: Windows Server, Linux, Docker, Docker Compose, Kubernetes (k8s), Nginx, Traefik, PgBouncer, Gunicorn/Uvicorn, GitHub Actions, CI/CD, SSL/TLS, health checks, logging and monitoring

R&D / AI Integration: PyTorch, NVIDIA NeMo, ESPnet, VITS, TTS pipelines, streaming gateways and real-time integration

PROFESSIONAL EXPERIENCE

Full Stack Developer & DevOps Engineer - R&D
Aug 2026 - Present

Neurosound Dikkat Ve Algı Geliştirme Merkezi | Türkiye

- Develop C#/.NET APIs and web applications with ASP.NET Core, Entity Framework Core and MSSQL, supporting NSP authentication and business workflows.
- Design full-stack R&D systems with Django/FastAPI and Go services, PostgreSQL, Redis and real-time/AI integration; connect product flows to TTS, streaming and external platforms.
- Contribute across architecture, backend implementation, API/frontend integration and delivery across Windows Server, Linux, Docker and Kubernetes (k8s).

Full Stack Developer & DevOps Engineer
Aug 2024 - Aug 2026

Neurosound Dikkat Ve Algı Geliştirme Merkezi | Türkiye

- Developed full-stack applications, REST APIs and internal tools with Django, FastAPI, Express.js/Node.js, Go and web frontends.
- Built authentication, user/session flows, analytics, content/media handling, admin interfaces, integrations and billing workflows.
- Designed PostgreSQL models and optimized SQL/ORM queries, indexes and Redis caching while connecting frontend applications to backend APIs.
- Owned production delivery with Docker, Kubernetes (k8s), Nginx, PgBouncer, CI/CD, SSL/TLS, ingress, health checks, logging and monitoring.

Full Stack Developer
Feb 2024 - Aug 2024

Neurosound Dikkat Ve Algı Geliştirme Merkezi | Türkiye

- Developed full-stack Django, FastAPI and Express.js web applications with REST APIs consumed by user-facing and internal interfaces.
- Built authentication systems, automation tools, internal services and third-party integrations; designed relational models and reusable modules.
- Improved PostgreSQL/Redis access patterns, SQL/ORM queries, caching and operational workflows.

PROFESSIONAL EXPERIENCE - CONTINUED

Software Developer **Nov 2023 - Feb 2024**

Neurosound Dikkat Ve Algı Geliştirme Merkezi | Türkiye

- Developed an interactive educational application using Unity and C#, including application flows, UI, learning modules, reusable components and data handling.
- Worked on debugging, testing and performance improvements while translating educational requirements into maintainable digital experiences.

EARLIER EXPERIENCE

Research & Development Engineer **Feb 2023 - Jun 2023**

AutoDidactic Technologies | Konya, Türkiye

- Contributed to full-stack and R&D prototypes using Python, Node.js/Express.js, Electron, Java, Unity/C# and SQL databases.
- Supported Dockerized workflows, Linux administration and AWS EC2 deployments for experimental projects.
- Prepared utilities for data processing, reporting and reproducible experimentation in AI/reinforcement-learning work.

SELECTED FULL-STACK PROJECTS

NSP .NET API Platform: API and background-worker platform for NSP business data, authentication, client/dealer workflows, CRM operations and reporting. C#, ASP.NET Core, Entity Framework Core and MSSQL.

Doom Team: Self-hosted software engineering tool with dependency-aware planning, real validation, independent QA/review and a human approval boundary. Python CLI with durable mission history; public early engineering release.
github.com/erkamspyjamas/doom-team

Sustindex: Independently developed FinTech platform with Django, FastAPI, React and PostgreSQL, covering backend APIs, relational data, frontend integration and production-oriented architecture.

Stock & Device Tracker: Inventory, cargo and device-tracking application built with Node.js/Express.js using Firebase and MSSQL variants, connecting operational workflows and web interfaces.

Cognitive Booster: Django and JavaScript web application for cognitive-performance exercises, user progress tracking and education workflows.

Speed Reading Platform: PHP/MySQL reading application extended and optimized for education users, including product and data-flow improvements.

Advanced Learning Unity Program: Unity/C# educational application combining interactive learning modules, application logic, reusable components and learning-oriented UX.

Realtime TTS / AI Product Integration: Connected Python TTS workers to application backends through Go/Python service layers, with low-latency communication, retries, timeouts and reliable integration.

EDUCATION

B.Sc., Management Information Systems - Necmettin Erbakan University

2019 - 2023 | GPA: 3.11 / 4.00

CERTIFICATIONS

- EF SET English Certificate - 65/100 (C1 Advanced)
- Aygaz Machine Learning Bootcamp

LANGUAGES

Turkish: Native | English: C1 (EF SET 65/100)

Doom Team is public. Other selected repositories and production systems are private; architecture overviews or selected code excerpts can be shared when appropriate.