

HUNTAY AZERTURK

Software & Digital Solutions Manager | Principal Systems Architect

Istanbul, Turkey | +90 553 832 84 77 | Nationality: Turkish

LinkedIn: [linkedin.com/in/huntay](https://www.linkedin.com/in/huntay) | Medium: medium.com/@Huntay.AzerTurk | Languages: Turkish (Native), Azerbaijani (Native), Persian (Native), English (Professional)

SUMMARY

Engineering leader and systems architect with 13+ years of experience building, scaling, and modernizing software systems. Worked across backend platforms, cloud infrastructure, IoT environments, and AI-enabled workflows, with a strong focus on turning fragile legacy setups into stable production systems. Led teams of up to 8 engineers and stayed hands-on in architecture, delivery, and technical transformation.

CORE STRENGTHS

Engineering Leadership: Team leadership and mentoring, SDLC management, digital roadmap planning, R&D direction

Systems Architecture: Cloud migration on GCP, microservices, event-driven design, IoT infrastructure for 10,000+ connected devices

Applied AI: RAG systems, LLM-based automation, computer vision applications (YOLOv8), AI agents in ERP workflows

Security & Reliability: CEH, penetration testing, resilience engineering, high-availability system design

PROFESSIONAL EXPERIENCE

TEKNIM ELEKTRONIK SAN. TIC. A.S. | Istanbul, Turkey

Oct 2018 – Present

Software and Digital Solutions Manager

Dec 2025 – Present

- Leading the design of a proprietary IoT and backend infrastructure used in fire safety operations, with a focus on scalability, reliability, and expansion into new markets.
- Managing a team of 5 engineers and owning the digital roadmap across software and system initiatives.
- Built and rolled out an LLM-based technical support workflow using RAG, Google Dialogflow CX, and Meta WhatsApp integration, reducing resolution time by 80%.

Software Architect Team Lead

Nov 2020 – Nov 2025

- Designed a hybrid cloud architecture supporting 10,000+ connected devices with strict uptime and real-time response requirements.
- Broke legacy monoliths into event-driven microservices on GCP and reduced infrastructure overhead costs by 75%.
- Put stronger engineering practices in place across the team, including cleaner delivery workflows, CI/CD, and more consistent development standards.

Senior Software Engineer

Oct 2018 – Oct 2020

- Refactored critical C++ components into maintainable .NET Core microservices.
- Built high-throughput messaging systems with Redis and RabbitMQ to handle real-time alerts and hardware integrations.

Kassara.app | Istanbul

2023 – 2025

Founder & Lead Architect

Product Launch

- Designed and launched an AI-based B2C product that combined computer vision with behavioral profiling.
- Led product architecture from MVP to live release and managed a 6-person development team through delivery and iteration.

Nano Mabna Iranian / Pooyandegan Rah Saadat | Iran

2015 – 2018

Senior Backend Developer / Team Lead

- Managed an 8-person engineering team building backend systems for data-heavy environments.
- Delivered healthcare monitoring software where real-time processing and data accuracy were critical.

WRITING & RESEARCH

- Published technical articles on Medium, including "Boost Your AI Systems by Fixing the Weakest Link in RAG", "Nature-Inspired Neural Networks", and "Is AGI Really Possible?".
- Research interest: applying deep learning to neural signal processing and early diagnosis in neurodevelopmental conditions.

EDUCATION & CREDENTIALS

B.Sc. in Computer and Information Systems Security | University of Applied Science and Technology

2012 – 2015

Certifications: CEH (Certified Ethical Hacker), Software Architectural Design

Interests: Active CrossFit athlete focused on high-intensity training and performance discipline