

GÖKHAN ŞİMŞEK

SENIOR BACKEND DEVELOPER



CONTACT

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SKILLS

- Python (FastAPI)
- SQL (PostgreSQL)
- AWS (EC2, S3, RDS, Lambda)
- Restful API Design
- Javascript
- React
- Redis
- RabbitMQ
- Celery
- Docker
- Git, CI/CD
- Microservices
- Team Leading
- Mentoring

LANGUAGES

- English (Fluent)
- Turkish (Native)

CERTIFICATIONS

- AWS Certified AI Practitioner
- AWS Certified Cloud Practitioner
- Advanced Project Management



PROFILE

Senior Backend Engineer with 15+ years of software development experience and 8+ years focused on Python Backend systems, APIs, and cloud infrastructure on AWS. Led a 10-engineer backend team building business-logic-heavy applications. Comfortable owning systems end-to-end from architecture and schema design through deployment, monitoring, and post-release care. 10+ years of experience collaborating with multinational teams.



WORK EXPERIENCE

OSF Digital

Backend Technical Lead

2023 - 2026

- Led a cross-functional team of 10 backend and frontend engineers building business-logic-heavy applications in Python and PostgreSQL.
- Owned architecture decisions, code quality, and release readiness for production systems serving business-critical workflows.
- Architected and shipped a new data merge pipeline on Apache Airflow, replacing fragile ad-hoc jobs and enabling reliable scheduled processing of complex data flows with Claude code.
- Drove API performance work that improved response times by more than 50% across at least 10 major endpoints, through query tuning, schema improvements, and caching.
- Managed refactoring process from Hug framework to FastAPI and applied AI only practices.
- Managed release process and deployment pipelines, including version cuts, rollouts, and post-release monitoring.

Backend Developer

2021 - 2023

- Built and maintained a Python backend application (Hug framework) handling complex client-side business logic, shipping new features against evolving requirements.
- Designed PostgreSQL schemas and wrote performance-sensitive SQL; maintained and refactored legacy queries to improve correctness and speed.
- Designed and implemented a Redis-based caching layer that materially reduced database load and improved end-user response times.
- Monitored brand consistency across marketing channels and materials.

Vestel

Cloud Engineer

2017 - 2021

- Designed and deployed backend services on AWS supporting Vestel Smart TV products in production at scale.
- Migrated firmware and content delivery for 5M+ devices in the field from FTP to S3, dramatically improving reliability and rollout speed.
- Built Vestel Smart TVs' first internet-based EPG feature, integrating Simply TV's external data feeds and managing the integration risk and edge cases.

Software Architect

2016 - 2017

- Engineered and optimized the Netflix application on Smart TVs, meeting Netflix's strict certification requirements including the sub-1-second app launch target.
- Designed a logging and telemetry mechanism across Vestel's TV fleet, building the foundation of a product data lake used for analytics and quality.

Senior Software Engineer

2013 - 2016

- Led engineer on the Dual TV feature, implementing simultaneous playback of two distinct video streams using 3D display technology
- Engineered the Follow TV feature, mirroring TV screens to mobile devices in real time.
- Owned Bluetooth and Wi-Fi functionality across Smart TV product lines.

Software Engineer

2011 - 2013

- Helped other developers and maintain Vestel's first Smart TV platform; diagnosed and fixed client-side defects in production firmware.
- Worked on Vestel's first Smart TV application implementation.



EDUCATION

Master's Degree, Computer Science

2012 - 2017

Özyeğin University

Bachelor of Computer Science

2005 - 2010

Ege University