Eyup Bayram Backend Engineer

Umraniye, Istanbul • egorkemb@gmail.com • +90 505 554 84 58 • linkedin.com/in/egbayram • github.com/egbay

Summary

Backend-heavy software engineer (7+ yrs) focused on AI products, and cloud-native architectures with hands-on backend experience (Python/FastAPI, Node/NestJS, PostgreSQL). Designed reliable billing pipelines and low-latency APIs on AWS Lambda. Looking to drive platform reliability and developer velocity in a backend role. Passionate about leveraging technology to solve real-world problems and contribute to impactful projects.

Experience

Freelancer (Istanbul, Türkiye) Remote
Software Engineer July 2024 – Present
- **Project: Full-Stack Development for Multiple AI Products**: Defined service boundaries, API contracts, and inter-service communication (HTTP/queues) in a microservice architecture. Used FastAPI, Django, Node.js, TypeScript, Prisma across products. Built event-driven workflows and serverless functions on AWS Lambda. Rapidly shipped UI with Vercel V0 and hardened React components for production.
- **Project: Payment & Billing + Online Learning Platform**: Modeled DB with Prisma; managed schema migrations and transactions; implemented repository/service layers to ensure data integrity. Stack: NestJS, TypeScript, Prisma, PostgreSQL.
- **Project: AI Fashion Project**: Developed REST APIs for model invocations, job management, and status tracking using FastAPI. Integrated Supabase authentication & storage; enforced signed URLs and access policies. Built async workflows and queuing for long-running jobs. Deployed on GCP.

Smartex AI (Porto/Istanbul, Portugal/Türkiye) Remote
Backend Engineer & Managing Director September 2022 – July 2024
- Led Smartex's expansion in Türkiye post-acquisition of Tuvis AI, managing budgets, compliance, and resourcing.
- Backend development with Node.js, TypeScript, PostgreSQL, MongoDB, TypeORM, Prisma; key role in migration from TypeORM to Prisma.
- Owned production support: created API endpoints, resolved live bugs, and improved operational stability.

Tuvis AI (Istanbul, Türkiye) Istanbul, Türkiye
Co-Founder & Software Engineer July 2018 – September 2022
- Co-founded and scaled AI-driven anomaly detection solutions for manufacturing process optimization.
- Led a team across project planning, technical implementation, and server management.
- Hands-on backend work with Flask, Django, PostgreSQL, Redis, AWS (S3, EC2, RDS, Lambda, CloudWatch, ECR), GitHub Actions, Celery, RabbitMQ.
- Engaged clients with technical insights; secured multiple R&D projects funded by TUBITAK, KOSGEB, and Growth Circuit VC.

Peakode (Bursa, Türkiye) Bursa, Türkiye
Research & Development Engineer September 2016 – June 2017
- Built IoT solutions with XBee sensor networks, xCTU, Node.js, and Raspberry Pi.

TOFAS (Bursa, Türkiye) Bursa, Türkiye
Research & Development Engineer September 2016 – June 2017
- Conducted CAN Bus analysis and contributed to Instrument Cluster Panel development for an EV prototype using C++ and GLStudio.
- Awarded "Best R&D Project" within TOFAS.

Education & Certifications

Kocaeli University Kocaeli, Türkiye
M.Sc. in Computer Engineering Jan 2019 – Thesis Stage

Emerald Cultural Institute Dublin, Ireland
Academic English Program (IELTS 6.5) Oct 2017 – Jun 2018

Uludag University Bursa, Türkiye
B.Sc. in Electrical & Electronics Engineering Sep 2013 – Jun 2017

Skills

Languages: Python, JavaScript/TypeScript
Databases: MySQL, PostgreSQL, MongoDB
Frameworks: Flask, FastAPI, Django, Node.js, NestJS, Prisma, TypeORM

Cloud/Tech: Serverless Framework, AWS (S3, SNS, EC2, API Gateway, Lambda, RDS, CodeCommit, CloudWatch)
Other: Celery, Redis, RabbitMQ, GitHub Actions, Sentry, CAN Bus
Language Proficiency: English (IELTS 6.5)

Volunteer

Co-founded the IEEE Bursa Uludag University Student Branch; organized events, workshops, and technical trainings to help students build leadership and engineering skills.