

Eyup Bayram Backend Engineer

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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*)

Software Engineer

Remote

July 2024 – Present

- **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.
- **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.
- **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*)

Backend Engineer & Managing Director

Remote

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*)

Co-Founder & Software Engineer

Istanbul, Türkiye

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*)

Research & Development Engineer

Bursa, Türkiye

September 2016 – June 2017

- Built IoT solutions with XBee sensor networks, xCTU, Node.js, and Raspberry Pi.

TOFAS (*Bursa, Türkiye*)

Research & Development Engineer

Bursa, Türkiye

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

M.Sc. in Computer Engineering

Kocaeli, Türkiye

Jan 2019 – Thesis Stage

Emerald Cultural Institute

Academic English Program (IELTS 6.5)

Dublin, Ireland

Oct 2017 – Jun 2018

Uludag University

B.Sc. in Electrical & Electronics Engineering

Bursa, Türkiye

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.