

Admir Misini

Senior Engineer

Chelsea, MA

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SUMMARY

Senior Backend Engineer with 10+ years of experience building distributed backend systems, high-throughput APIs, and cloud-based data platforms. Strong background in Python, Django, Flask, and large-scale ingestion pipelines. Proven ability to own production services, improve reliability, and design scalable architectures. Experienced in AWS, Docker, observability tooling, and performance optimization across complex systems.

EXPERTISE

- Distributed backend systems & microservices
- RESTful API design & implementation
- High-volume data ingestion pipelines
- Cloud infrastructure (AWS)
- Production reliability & incident response
- Monitoring, logging & observability
- Performance optimization & scalability

EXPERIENCE

Senior Software Engineer — 4tech-it

Apr 2025 – Present

- Owned backend production services, ensuring uptime and rapid resolution of critical incidents
- Improved system observability using monitoring and logging to reduce recovery time during outages
- Collaborated on backend architecture and API design for scalable service delivery
- Supported deployment pipelines and cloud infrastructure for production workloads

Software Engineer — LYST

May 2016 – Mar 2025

- Architected and maintained distributed crawler systems ingesting structured data from thousands of external sources
- Owned backend services responsible for throughput, data correctness, and operational stability
- Designed APIs and internal services to support large-scale ingestion pipelines
- Participated in on-call rotations, debugging failures and restoring services under time-critical conditions
- Reduced crawler failure rates through infrastructure improvements and system-level optimizations
- Worked across services to improve reliability, performance, and fault tolerance
- Maintained production systems through continuous delivery cycles and live incidents

Freelance Developer — GoData

Jan 2017 – Mar 2025

- Built backend services and automation workflows for data-heavy applications
- Delivered scalable Python-based solutions for client projects

Data Specialist — PULLA

Mar 2015 – Apr 2016

- Developed RESTful APIs to expose analytics data for internal and external consumers
- Optimized MySQL schemas and queries for large datasets
- Performed data analysis and visualization using Python to support business decision-making

Software Engineer — CODE X LLC

Jan 2011 – Feb 2015

- Built automation and analytics components using Python, Perl, and C#
- Developed data processing pipelines and reporting systems using SQL Server
- Mentored junior engineers on backend development and debugging practices

EDUCATION

University of Prishtina — Faculty of Electrical Engineering and Computing

Completed three years of study

TECHNICAL SKILLS

Languages & Frameworks

Python, Django, Flask, Scrapy, Golang, Perl, C#, JavaScript

Databases & Data

MySQL, SQL Server, pandas, NumPy, matplotlib, Alteryx

Cloud & DevOps

AWS, Docker, Linux, Git, CI/CD (CircleCI)

Observability & Tools

Grafana, Kibana, Sentry, Jira

LANGUAGES

English — Full Professional

Albanian — Native

French — Full Professional

German — Elementary