

# Olcay Tercanli

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## Summary

Senior Software Engineer with over 8 years of experience specializing in Python, Full-Stack development, and Cloud Architecture (AWS/GCP). Proven track record of contributing to major Open Source projects like Apache Airflow and delivering scalable solutions for FAANG-level environments. Passionate about automating development cycles and solving complex infrastructure challenges.

## Skills

- Languages:** Python (Expert), JavaScript, Java, Scala
- Frameworks:** Django, Flask, FastAPI, aiohttp, React, Vue.js, Spring
- Infrastructure:** AWS, GCP, Docker, Kubernetes, Jenkins, GitHub Actions
- Data & IoT:** Apache Airflow, PostgreSQL, Redis, Raspberry Pi, MQTT

## Experience

**EPAM Systems | Senior Software Engineer Kraków, Poland | Jan 2024 – Present**

- FAANG Cloud Ecosystem:** Architecting scalable Python-based microservices for a global technology leader, ensuring high availability within complex GCP environments.
- Open Source:** Contributing core features to **Apache Airflow**, optimizing workflow orchestration for data engineering teams worldwide.
- Velocity Improvements:** Streamlined CI/CD pipelines using Docker and GCP, reducing deployment latency and improving system reliability.

**EPAM Systems | Software Engineer Kraków, Poland | Nov 2021 – Dec 2023**

- Real-time Chat Systems:** Engineered high-concurrency chatbot services using **aiohttp** and **WebSockets** for a leading HR and Workforce Management provider.
- System Modularization:** Redesigned core HR management tools in **Django**, facilitating easier integration with large-scale corporate legacy systems.
- Environment Standardization:** Leveraged **Docker** to eliminate environment-specific bugs, ensuring 100% consistency across dev, staging, and production.

**Independent Technical Consultant (Freelance) | Remote | 2017 – Present**

- **Strategic MVP Development:** Provided end-to-end technical consultancy for international startups, focusing on lean Python backends and scalable cloud deployments.
- **Automation Consultancy:** Developed custom data processing tools and automated workflows for diverse business niches, reducing manual overhead for clients.

**Urla Digital Agriculture | Software Engineer** *Izmir, Turkey | June 2020 – Oct 2021*

- **IoT Fleet Management:** Designed a hybrid infrastructure for **Raspberry Pi** devices, enabling full automation of controlled-environment agriculture.
- **Serverless Architecture:** Implemented event-driven logic using **AWS Lambda, SQS, and SNS**, creating a self-healing monitoring system for precision farming.

**Linovi | Software Engineer** *Izmir, Turkey | Dec 2017 – June 2020*

- **Enterprise Integrations:** Developed web services connecting Google Chat with Jira, Salesforce, and Zendesk using **Scala (Play)** and **React**.
  - **Autonomous Driving Dashboards:** Built mission-critical visualization tools using **Java (Vert.x)** and **Amazon Web Services**.
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## Education

**Muğla Sıtkı Koçman University | Computer Engineering (GPA: 3.52/4.00)**