

# Melih Colpan

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*Boasting over 9+ years in the field, I am a seasoned Python Developer with a rich background in cloud technologies and database management. My career is marked by involvement in numerous startup projects, highlighting my proficiency in software development and architecture. This diverse project experience, coupled with a strong knack for innovation, demonstrates my capability to drive technological solutions in a rapidly evolving tech landscape.*

## PROFESSIONAL EXPERIENCES

### URBAN ACTIVE

Software Engineer

**Istanbul, TR**

May 2022—Present

- Led the development of the Urban Active application's backend and admin module, utilizing Python with the aiohttp framework. Spearheaded the integration and management of PostgreSQL and DynamoDB databases, ensuring robust and scalable data storage solutions.
- Implemented and managed AWS cloud services, leveraging Docker for containerization. This included efficient deployment to AWS, optimizing the application for high availability and scalability.
- Established and maintained a Continuous Integration (CI) pipeline using GitHub Actions, streamlining code integration and deployment processes, thereby enhancing overall development efficiency and reliability.
- Integrated key third-party services including Twilio, SendGrid, RevenueCat, and store payment systems, coupled with the implementation of Redis for effective caching. This enhanced the application's functionality and user experience while maintaining high-performance standards.

### TARLA.IO

Software Engineer

**Ankara, TR**

Jun 2018—Dec 2022

- Developed and managed sophisticated data systems, integrating satellite imagery, weather data, and agricultural statistics through advanced algorithms to provide actionable insights.
- Established real-time data update mechanisms using custom crawlers, ensuring continuous platform relevance and operational efficiency.
- Oversaw comprehensive project responsibilities from planning to network management, focusing on agricultural data analysis to enhance decision-making tools.

### METEOBLUE AG

Software Engineer

**Basel, CH**

August 2015—Nov 2015

- Developed a comprehensive weather application for Android, targeting the Meteoblue API, using Java in Android Studio to provide real-time weather updates and forecasts.
- Integrated various data sources and utilized advanced Android Studio features to ensure a user experience, with a focus on reliability and accuracy of weather predictions.

## **ERIKTRONIK AS**

Software Engineer

**Ankara, TR**

*Jul 2014—Jun 2018*

- Spearheaded the development of cloud-based applications tailored to the specific needs of various clients, employing a broad range of technologies including Python and its frameworks, ensuring versatile and high-performing solutions. Implemented Google Cloud products to architect scalable and robust cloud infrastructures.
- Utilized Docker to containerize applications, enabling consistent deployment environments and streamlining the development, testing, and production workflows, which significantly improved the reliability and scalability of services.
- Implemented message brokering and high-performance web serving solutions to optimize application communication and load handling, ensuring high availability and responsiveness of client projects.

## **TOOLS AND EXPERIENCES**

**Languages:** Python, SQL, HTML, CSS, JavaScript

**Databases:** PostgreSQL, MySQL, Redis, Cassandra (Interest)

**Operation System:** Linux (Ubuntu, Debian), Mac OS X, Windows (XP, 7, 8, 10)

**Virtualization and Orchestration:** Docker, Docker Compose, Docker Swarm, Kubernetes (Interest)

**Web Frameworks:** Aiohttp, Flask, Django, Sanic, Vibora

**Version Control Systems:** Git, Github, Gitlab, Bitbucket, Google Cloud Source

**Continuous Integration:** Gitlab CI, Github Actions, Jenkins and bash scripts

**Cloud:** Google Cloud Services (Compute Engine, Datastore, AppEngine, Cloud Storage, StackDriver), AWS Cloud (ECS, EC2, RDS, S3, AppRunner, ElasticCache, Amplify, Route53, CloudWatch)

**Management and Communication:** Jira, Confluence, Trello, Slack, Discord, Geekbot

**Data Format:** JSON, XML, CSV, GeoJSON, YAML

**Libraries:** SQLAlchemy, Requests, BeautifulSoup, Pandas, Numpy, Pipenv, Scrapy, Pillow, socketio, asyncio, asyncpg, requests

**IDE:** Pycharm, Atom, Visual Studio Code, Datagrip, Eclipse, Net Beans

**Other Tools:** RabbitMQ, NGINX, Swagger

## **EDUCATION**

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### **SULEYMAN DEMIREL UNIVERSITY**

Electronic and Communication Engineering

**Isparta, TR**

*Sep 2011—Jun 2015*

### **POLITECHNIKA LUBELSKA**

Computer Science

**Lublin, PL**

*Aug 2013—Aug 2014*