Melih Colpan

Software Engineer

(929)-741-0854 | colpanmelih@gmail.com | San Francisco, CA

Portfolio | GitHub | LinkedIn

SKILLS

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
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, Pandas, Numpy, Pipenv, Scrapy, Pillow, socketio, asyncio, asyncpg, requests
IDE: Pycharm, Atom, Visual Studio Code, Datagrip, Eclipse, Net Beans
Other Tools: RabbitMQ, NGINX, Swagger

PROJECTS

Urban Active + (App Store - Play Store - Website**)**   **Istanbul, TR**
Software Engineer   May 2022—Present

- Led backend and admin module development for the Urban Active app with Python. Managed PostgreSQL and DynamoDB databases for scalable data storage.
- Deployed and managed AWS cloud services using Docker, optimizing for high availability and scalability.
- Established a CI pipeline with GitHub Actions, improving code integration and deployment efficiency.
- Integrated third-party services (Twilio, SendGrid, RevenueCat, store payment systems) and implemented Redis for caching, enhancing performance and user experience.
- Collaborated with a 7-person team to deliver these solutions on time and within budget.

tarla.io (Website**)**   **Ankara, TR**
Software Engineer   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.

iklim.co (Website**)**   **Tallinn, ES**
Co-Founder   Aug 2017—Present

- Created new endpoints for RESTful API and connected to PostgreSQL database
- Conducted daily standup meetings to coordinate work on shared GitHub code and review pull requests
- Resolved team conflicts and promoted a cohesive, professional team environment

Eriktronik   **Ankara, TR**
Software Engineer   Jul 2014—Jun 2018

- Led development of cloud-based applications using Python and its frameworks, ensuring high performance and versatility. Architected scalable cloud infrastructures with Google Cloud products.
- Containerized applications with Docker for consistent deployment, improving reliability and scalability.
- Optimized communication and load handling with message brokering and high-performance web serving solutions, ensuring high availability and responsiveness for client projects.

Meteoblue   **Basel, CH**
Software Engineer   August 2015—Nov 2015

- Developed an Android weather app using Java in Android Studio, integrating the Meteoblue API for real-time updates and forecasts.
- Ensured reliable and accurate predictions by utilizing advanced Android Studio features and integrating various data sources.

EDUCATION

Suleyman Demirel University (SDU)   **Isparta, TR**
Electronic and Communication Engineering, BS   Sep 2011—Jun 2015

Politechnika Lubelska   **Lublin, PL**
Computer Science   Aug 2013—Aug 2014