HAKAN OKAY
SOFTWARE DEVELOPER

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👤 SUMMARY

🖥 I'm a versatile software developer with three years of experience developing **web applications** and **services**, creating efficient **data pipelines** and training/deploying **machine learning models** for different purposes.

♥ I'm fluent in Python, SQL, and English. I've also written a good amount of TypeScript, JavaScript, HTML, and CSS. I have some exposure to Go and Java. I learn quickly, care about detail and I like finishing tasks and focusing on the results.

🏠 I live in Canada. I lived and worked in Istanbul, Izmir, and Canakkale from 2019 to 2022, then moved to Ottawa to study and work. I'm open to remote work and travel. I can relocate depending on the opportunity.

💼 EXPERIENCE

Software Developer @ Freelance 🔗   June 2022 - Present
- Designed and developed the code for **Musme Library** 🔗, a subscription-based music library for content creators. I provided code-reviews and mentorship for other four contributors.
- Developed a web application using Next.js, FastAPI, MongoDB and Docker to manage sale records and explore different relevant metrics for data-driven business decisions.
- Trained accurate machine learning models in Python and served them over the cloud using FastAPI, Docker and Google Cloud Platform and reviewed ML methodologies applied by a team of three.
- Migrated an old CRM exploration application written in PHP to Python, HTML/CSS/Typescript and updated the scripts responsible for data retrieval and processing.

Backend Engineer @ Datablast 🔗   February 2023
- Used FastAPI to create endpoints for a web application generating static HTML reports with various metrics by using data warehoused in BigQuery. I also used Pytest to ensure the expected functionality.
- Built a SQL code generation engine using Jinja and Python to automate data model generation for multiple mobile games having similar data characteristics.
- Contributed to the code of **blast** 🔗, a command-line tool for validating and running data transformations on SQL, similar to dbt but with the ability to run Python scripts in the same pipeline.
- Created **documentation** 🔗 for Blast Data Platform. I used Markdown for the content, Docsify for powering the website, Jekyll, and GitHub Actions for building and deployment.

Data Scientist/Engineer @ Datablast 🔗   March 2022 - 👤 Role Change
- Built ETL/ELT pipelines to process ∼1 billion rows of data daily, from **various backends** 🔗, primarily Firebase. I used BigQuery, Snowflake and AWS Athena for data warehousing and Airflow for pipeline management.
- Implemented custom Airflow operators to **notify/alert** 🔗 stakeholders about warehousing and querying costs. I used BigQuery API, Python and Slack/Discord webhooks.
- Performed data analysis and A/B tests to increase user retention, improve KPIs, attract new users and increase advertisement and in-app purchase revenues. I also developed various machine learning models.

⚙ SKILLS

Programming Languages: Python, SQL, Java, TypeScript, JavaScript, Go
Libraries & Frameworks: React, Next.js, Tailwind
Tools & Platforms: Linux, Git, Docker, Airflow, Google Cloud

🎓 EDUCATION

Algonquin College of Applied Arts and Technology   Ottawa, ON
Diploma in Computer Programming   September 2022 - December 2023

Miuul & Data Science Academy   Uppsala, Sweden (Remote)
Certificate in Data Science and Machine Learning   December 2021 - March 2022

Canakkale Onsekiz Mart University   Canakkale, Turkey
Master's Degree in Engineering   February 2021 - February 2024

Akdeniz University   Antalya, Turkey
Bachelor's Degree in Engineering   September 2014 - September 2019