Dhia Dahmeni

Software Engineer

Innovative software engineer with a track record in building robust and intuitive apps and systems.

Social Profiles

- Github: https://github.com/cryptolake
- LinkedIn: https://www.linkedin.com/in/dhia-dahmeni/
- Blog: https://cryptolake.github.io/

Skills

Rust, C/C++, Python, Go, JavaScript/Typescript, ML, SQL, Linux, Git, Docker

Work Experience

January 2024 – Present
Software Engineer at Datawisp, New York, Remote
Skills: Rust, Typescript

- Implemented pivot table from scratch 300% faster than the previous implementation.
- Created a stat analysis block that calculates correlation and summarizes data with a 2x faster implementation than suggested.
- Investigated performance issues and improved the graph compiler performance.
- Fixed many breaking bugs in record time, impressing clients.

May 2023 – July 2024
Founder/Software Developer at orobis.io, Remote
Skills: C++, Python, Typescript, JavaScript, Docker, TensorFlow/Keras/PyTorch, FastAPI, NextJS, ReactJS

- Built a multi-threaded AI-based scraping system that increased document count from 30k to 3 million.
- Trained and fine-tuned various LLM and small language models for document classification.
- Integrated both open and closed-source LLMs into enterprise client internal app at devino.ca.
- Built a system of PR preview using Docker and remade CI/CD, reducing time by 80%.
- Built the backend for a fashion social media startup, making the app faster and more usable using FastAPI.
- Built an automated ad generation web app using NextJS for a US-based marketing agency.
- Updated and deployed a web app that supports a major healthcare provider in Canada.
- Built an AI TTS agent for a leading UK AI startup.
- Created a football (soccer) auto camera and match analyzer using Computer Vision.
- Worked with Ivy, a Y-combinator-backed startup, to implement many ML functions into their framework and improve the performance of their code conversion tool.

May 2022 – May 2023
Full Stack Engineer at Lokafy, Canada, Remote
Skills: Python, JavaScript, Cloud (GCP), Django, NodeJS, VueJS, Docker

- Cut business costs by refactoring and fixing an email parsing system.
- Reduced API costs by building a scrapping system.
- Built a data reporting pipeline to get a better overview of all needed business metrics.
- Refactored most of the backend to make it simpler with less code and fewer dependencies.

Education

September 2021 – June 2023
Holberton School, Tunis, Tunisia
Software Engineering
Skills: Python, C, Bash, Docker, Puppet, Linux, TensorFlow/Keras, JavaScript, HTML/CSS, DevOps, ML/DL, NLP, Computer Vision

Projects — https://cryptolake.github.io/#projects

September 2020 – July 2021
High School, Tunis, Tunisia
Baccalaureate in Computer Science
Skills: Pascal, JavaScript, HTML/CSS
Graduated with an 18/20 mark in algorithms and web development.