

UMUT (HOPE) YILDIRIM

FULL STACK DEVELOPER / SAN FRANCISCO, CA

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SUMMARY

About I am a junior software developer passionate about productionizing AI. I enjoy transforming AI tools and research into practical, scalable software solutions.

Skills Python, PHP, NodeJS, JavaScript, React, NextJS, Linux, Computer Vision, Deep Learning(Transformers, LLMs), Big Data, Synthetic Data, Productivity Tools, Unity Engine(C#)

COMPETITIONS AND TECHNICAL PROJECTS

MarkAI - markai.umutyildirim.com

(Nov 2023)

- An open-source OpenAI wrapper for a RAG-based chatbot that seamlessly integrates with your documents.
- All endpoints are serverless, with the exception of the database, ensuring ease of setup and immediate use.
- Utilized technologies like NextJS, OpenAI, Vercel, Clerk, Langchain and Supabase.

Flatiron Open Source - flatironopensource.com

(Jan 2023)

- Built an open source hub for bootcamp graduates to have efficient access to course modules and lessons.
- Contributed to 70% of the front-end development and spearheaded the entire backend implementation.
- Utilized technologies like JavaScript, Vite, React, Cloudflare(Pages&Workers&R2), Education.

CUBBA: Pothole Detection System

(Jul 2020)

- Engineered a computer vision program for pothole detection using image classification on Raspberry Pi's.
- Optimized for Raspberry Pi's limited real-time CPU capabilities by multi threading and job management.
- Self-learned OpenCV, TensorFlow, Azure Cognitive Vision to develop and optimize for Raspberry Pi.

Hackathons

(2018 - Present)

- Participated in over 10 hackathons, winning seven, demonstrating innovation and technical proficiency.

WORK EXPERIENCE

Mirage

Full-Stack Engineer

Istanbul, TR (March 2023 - Present)

- Developed a user-friendly web application that helps clients easily create and order large numbers of synthetic images for computer vision tasks such as image classification and object detection.
- Automated the Unity Engine with an add-on for handling image generation requests, allowing real-time synthetic image testing and facilitating bulk orders exceeding 10 million images for computer vision applications.
- Utilized technologies like JavaScript, Unity, Next.js, React, AWS, and Supabase.

BalTechno

Full-Stack Developer

Istanbul, TR (Feb 2021 - Dec 2022)

- Collaborated with senior staff to provide custom software solutions such as landing pages and CRMs.
- Clients website impressions increased by 210%, revenue also increased by 58%.
- Utilized technologies like PHP, Wordpress, Node.JS, React and GCP.

Sinerji Telecommunication

Junior Software Developer

Istanbul, TR (Jun 2018 - Aug 2018)

- Developed a Mailchimp-like massive SMS delivery tool containing web portal, mobile and gateway software.
- Shortened customer on-boarding by 150%, customer satisfaction and relationships increased by 50%.
- Utilized technologies like PHP, Laravel, NodeJS, Load Balancing and Self-Managed Server management.

EDUCATION

Flatiron School

Manhattan, NY(Aug 2022- Nov 2022)

- Computer Science(Certificate)
- Intensive web development training with Ruby(Rails), React, and JavaScript.

Isik University

Istanbul, TR (2020-2022)

- Master of Computer Applications - Associate Degree, Computer Science