

# UMUT (HOPE) YILDIRIM

FULL STACK DEVELOPER / SAN FRANCISCO, CA

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## SUMMARY

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**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

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### MarkAI - [markai.umutyildirim.com](https://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](https://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

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### 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

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### 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