

# Omer Meraloglu

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## SUMMARY

AI-Focused Software Engineer with 3+ years of full-stack development experience and a specialized focus on building scalable AI applications and data-driven systems. Skilled in Python, LangChain, Redis, Streamlit, and machine learning model deployment. Proven track record delivering AI assistants, CRM platforms, and real-time analytics dashboards. Passionate about applying deep learning, vector databases, and modern NLP technologies to solve real-world business problems.

## EXPERIENCE

### *SAB Turismo LTD, **Head of Research and Development***

*2024 - Present*

- Led the development of a backend system with complex business logic using Python and Flask, enhancing system efficiency.
- Designed and deployed an AI Sales Assistant using OpenAI API, Redis, Streamlit, and Flask, improving customer interaction and sales conversion rates.
- Designed and deployed a CRM software product from scratch using Figma, Next.js, MySQL, and Python Flask, improving user satisfaction.
- Integrated health monitoring for databases and APIs using Redis caching and Gunicorn for concurrent processing.

### *SAB Turismo LTD, **Fullstack Developer***

*2023 - 2024*

- Designed and developed the front-end of web applications utilizing React, Next.js, and Sass, enhancing user experience and satisfaction.
- Designed APIs for real-time data ingestion and processing, improving internal business intelligence workflows.
- Deployed services to AWS, leveraging cloud-native architectures for scalable data-driven applications.

### *Halkbank, **Information Technology***

*2022*

- Rebuilt customer-facing web apps with dynamic API-driven content integration, real-time interactions, and user behavior tracking.
- Contributed to API and backend development to support cloud-based analytics platforms.
- Gained foundational experience in deploying serverless functions (AWS Lambda) and database architecture for scalable applications.
- Employed Git version control and the GitHub interface to work in a virtual and collaborative team environment, increasing team productivity.
- Utilized API requests with Axios to dynamically represent data from a cloud server, improving data accuracy and representation.

### *International LEO Club, **Board Member***

*2018 - Present*

Proactively engage in community service by organizing and executing charity events and ensuring that aid reaches those in need through active participation.

## EDUCATION

### *Bahcesehir University*

*Bachelor Of Software Engineering • 2020 - 2025*

Board Member, Software Engineering Club

Club Member, Leadership and Entrepreneurship Club

## SKILLS

Python • PyTorch • Convolutional Neural Networks (CNNs) • Data Augmentation • Transfer Learning • BERT • Fine-Tuning Pretrained Models • HuggingFace Transformers • Langchain • FAISS • Redis • Streamlit • Python Flask • FastAPI • SQLAlchemy • MySQL • AWS • Docker • Elasticsearch • Next.js • React • Typescript • Redux