

# Gözde Şimşek

Software Team Lead & Full-Stack AI Developer with 4+ years of experience driving technical delivery and building production GenAI solutions. Experienced in leading teams to build enterprise multi-LLM gateways, agentic workflows, and high-precision RAG architectures. I bridge technical leadership with hands-on expertise across React, TypeScript, Node.js microservices, and multi-cloud environments (AWS/Azure).

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## Experience

### Skymod

İzmir, Turkey

***Software Team Lead - Fullstack Developer***

Nov 2024 - Present

Engineered SkyStudio, an enterprise GenAI platform, enabling teams to build, deploy, and automate AI assistants and workflows with an end-to-end interface (Assistant Management, Chat, Marketplace, Analytics) using React, TypeScript, Vite, Tailwind, MUI, and Redux Toolkit.
Architected a multi-LLM central gateway in Node.js microservices supporting OpenAI, Claude, Gemini, Mistral, OpenRouter, and internal GOAT LLM models, featuring automatic failover/fallback mechanisms for high availability.
Designed visual workflow automation systems using React Flow and LangGraph, integrating MCP servers, custom webhooks, and messaging channels (WhatsApp, Telegram) for event-driven agentic execution.
Implemented production RAG & data pipelines incorporating document chunking, embedding generation, OCR, Milvus vector search, and re-ranking models for high-precision retrieval.
Managed full-stack cloud infrastructure and security with Supabase, MongoDB, AWS S3/EC2, Docker containerization, and enterprise authentication via Azure AD and Google OAuth.

### Genfoquest Analytica

İzmir, Turkey

***Part-time Fullstack Developer***

Dec 2023 - Aug 2024

Built scalable, component-based UIs with ReactJS, optimizing performance using Hooks and Context API.
Developed high-performance FastAPI services with efficient async request handling.
Optimized relational data workflows in PostgreSQL using indexing and query tuning.
Containerized applications with Docker, improving deployment reliability and consistency.

### Uniqgene

İzmir, Turkey

***Frontend Developer***

Sept 2022 - July 2024

Designed and implemented responsive web and mobile interfaces using React.js, React Native, Next.js, and TypeScript, including advanced dashboard and admin panel architectures.
Managed cloud-based storage and databases with Amazon S3, Amazon RDS, and designed scalable schemas using MongoDB and MySQL.
Built robust backend services with Node.js and Express.js, integrating RESTful APIs for seamless client–server communication.
Improved data-fetching performance with Axios and ensured maintainable state management using the Context API.

## Education

### Ege University, Bioinformatics, AI

Master's degree

İzmir Turkey

2023 - 2026

### Ege University, Bioengineering

Bachelor's degree, GPA: 3.59

İzmir/Turkey

2017–2022

## Projects

Blog Analyzer- LangChain, Web Scraping (BeautifulSoup), Sentiment Analysis, NLTK

Media Streaming UI - Angular

Skymod Workflow - React, Socket.Io, Nodejs, Supabase, MCP

Skymod Skystudio - React, Nodejs, FastAPI, Supabase, Milvus, LangChain, TypeScript

ChefAssistant - Express.Js, Node.Js, MongoDB, Vite.Js, React, Tailwind CSS

HistoParser - Machine Learning Algorithms (SVM, Random Forest), CNN, OpenSlide, HistomicsTK, PyRadiomics

BMGLab Website -React

SingleCellQuest - React, FastAPI, PostgreSQL

Uniqgene Inhouse Mobile App - React Native, Mongo, Nodejs

Uniqgene Website - Uniqgene Dashboard - Laboratory Management Interface - React , MySQL, MongoDB, NodeJs