

Gözde Simşek

+90 535 814 5887 | gozdesimsekk1@gmail.com | linkedin.com/in/gozdesimsekk | github.com/gozdesimsekk | [Portfolio](#)

EDUCATION

Ege University <i>Master's Degree in Bioinformatics, AI</i>	Izmir, Turkey 2023 – Present
Ege University <i>Bachelor's Degree in Bioengineering; GPA: 3.59</i>	Izmir, Turkey 2017 – 2022

EXPERIENCE

Fullstack Developer <i>Skymod</i>	Nov 2024 – Present Izmir, Turkey
<ul style="list-style-type: none">Implemented advanced RAG pipelines using LangChain, integrating high-performance instruction-tuned LLMs and executing vector operations in Milvus through matrix-based file ingestion workflows.Developed GenAI applications with frontier-class transformer models, leveraging function/tool calling, structured output formats, and MCP server integrations; built agentic and multi-agent systems, including SkyStudio Workflow for automated task orchestration.Engineered scalable full-stack AI platforms using React Hooks, Context API, Redux, Vite, and Node.js/Express, supporting real-time and streaming inference features via Socket.io.Delivered modern and responsive interfaces with shadcn/ui, Tailwind, and Framer Motion, and managed data/auth flows using Supabase and MongoDB.Deployed microservice-driven, containerized applications with Docker, implemented storage pipelines on AWS S3, managed cloud infrastructure across AWS EC2 and Microsoft Azure, and utilized Redis for caching and real-time data management.	
Part-time Fullstack Developer <i>Genfoquest Analytica</i>	Dec 2023 – Aug 2024 Izmir, Turkey
<ul style="list-style-type: none">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.	
Frontend Developer <i>Uniqgene</i>	Sept 2022 – July 2024 Izmir, Turkey
<ul style="list-style-type: none">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 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.	

PROJECTS

Skymod Skystudio <i>React, Node.js, FastAPI, Supabase, Milvus, LangChain, TypeScript, Vite, Docker, AWS, Azure</i>
Skymod Workflow <i>React, Socket.io, Node.js, Supabase</i>
HistoParser <i>Machine Learning (SVM, Random Forest), CNN, OpenSlide, HistomicsTK, pyRadiomics</i>
Uniqgene Dashboard & Mobile App <i>React, React Native, Node.js, MongoDB, MySQL, AWS</i>
BMGLab Website <i>React, Netlify</i>

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, SQL, HTML/CSS
Frontend: React, React Native, Next.js, Angular, Redux, Context API, Vite, shadcn/ui, Tailwind CSS, Framer Motion
Backend: Node.js, Express.js, FastAPI, Socket.io
AI/ML: LangChain, RAG Pipelines, LLMs, NLTK, CNN, SVM
Databases: MongoDB, PostgreSQL, MySQL, Supabase, Milvus, Redis
Cloud & DevOps: Docker, AWS (EC2, S3), Microsoft Azure, Git, Grafana