Can Göloğlu

FULL-STACK ENGINEER

FREDERICKSBURG, VA 22407

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SUMMARY

Former physician turned software engineer with a focus on **clean software architectures**.Passionate about creating **efficient, user-friendly software** as a full stack developer.

SKILLS

Programming Languages: **Python** | **HTML** | **CSS** | **JavaScript** | C# | Visual Basic | C++

Frameworks: **Flask** | **Django** | **Pydantic** | **Pytest** | **NodeJS** | **Mongoose** | **Express** | **React** | Angular | Bootstrap | EJS | jQuery | Jest | Tensorflow | Keras | .NET Core | EF Core

Databases: **PostgreSQL** | **MongoDB** | PL/SQL

Tools: VS Code | VS Community | Replit | GitHub Actions | Git | ChatGPT | Stable Diffusion | Postman | NSwag | MediatR | Figma | GitHub Co-pilot

Enterprise Software: Slack | Zoom | Microsoft Office | Adobe Suite | Blender 3D | Unreal Engine | ZBrush

Spoken Languages: English (Fluent) | Turkish (Fluent) | French (Intermediate) | Spanish (Beginner)

PROFESSIONAL EXPERIENCE

Syrian Justice and Accountability Center | Remote   Dec '23 - current

Full-stack Consultant

- Wrote unit tests for open-source software (Bayanat by SJAC), enhancing the project's reliability and contributing to the open-source community.
- Created CI/CD pipeline with automated tests via GitHub actions, streamlining development processes and improving software quality.
- Introduced user input validation, bolstering the application's security and user experience.
- Documented the entire API in OASv3.x format with clearly defined schemas and responses, improving accessibility and understanding for developers.

Pfizer | Remote   Nov '22 - Mar '23

Business Analyst

- Worked with a multi-national team of developers, product owners and project managers.
- Established communications between global and local teams and providing just-in-time help to local deployment teams.

Acibadem Technology | Istanbul, Turkey   Jan '19 - Jan '21

Project Specialist/Data Science Team Lead

- Identified inefficiencies in partnering with an external startup; designed an effective proof of concept, leading to formation of an in-house data-science team which I led in R&D for AI-assisted ICU software.
- Spearheaded efforts that secured a government grant for innovative healthcare solutions.

Istanbul Public Health Directorate | Istanbul, Turkey   Jan '15 - Aug '17

Physician (General Practitioner) / Systems Designer

- Tasked with identifying departmental and workflow inefficiencies which could benefit from IT solutions and proposing solutions.
- Carried out clinical tasks filling-in for family physicians on-leave, provided non-forensic coronial services by performing initial examination of the deceased.

Presently | MERN-stack Personalized Birthday Gift Recommender | Lead Backend Engineer

Secured first place in General Assembly's fall hackathon, creating a personalized gift recommender to fit the theme of "Automate Your Life"

Tech Stack: React, React Native, MongoDB, Express, NodeJS, OpenAI API, Bing Search API, AWS

Github (Backend) | Github (Web Frontend) | Github (Mobile Frontend) | Live Site | Video Demo

- Worked with a cross-functional team of 4 UX designers and 5 other developers to create a birthday reminder and personalized gift recommender in 5 days, staying true to high-fidelity design documents.
- Successfully integrated OpenAI API, Bing Search API and AWS S3 on the backend to deliver personalized gift suggestions based on contacts' age, gender and descriptive tags, taking into account budget requirements.

Convault | MERN-Stack E2E Encrypted Chat Application | Full Stack Developer

Tech Stack: MongoDB, Express, NodeJS, React, Web Crypto API, Socket.io

Github (Frontend) | Github (Backend) | Live Site

- A real-time chat app that prioritizes security and user privacy with end-to-end encryption, ensuring client-side data encryption and private/public key management and with a unique data architecture to mitigate data breach risks, based on singly linked lists with encrypted metadata and message references .

Café Normalé | MERN-stack Accessible Restaurant Application | Full Stack Developer

Tech Stack: React, MongoDB, Express, NodeJS

Github

- Collaborated with a cross-functional team of UX designers in a General Assembly mini-hackathon
- Created an accessible restaurant web app with speech-to-text transcription and keyboard-only navigation for the visually and mobility impaired.

eyeConnect | MEN Full-Stack Telemedicine Web Application | Full Stack Developer

Tech Stack: MongoDB, Express, NodeJS, EJS, Bootstrap, Tensorflow, Keras, Python, Flask, Docker

Github | Live Site | Video Demo

- Developed a telemedicine web app enabling early detection of diabetic retinopathy through a custom image classifier, linking non-specialist HCPs with specialists in underserved areas.
- Incorporated clean architecture, MVC, service layer abstraction, and encryption-at-rest for robust and secure data management.

The Thomas Collective | Django Full-Stack Travel App - Team Project | Full Stack Developer

Tech Stack: Django, Python, Materialize, JavaScript, HTML5, CSS3

Github | Live Site | Live Site Mirror

email-verify | Lightweight Email Verification Extension for Django | Backend Developer

Tech Stack: Django, Python

Github | PyPI

Solitaire | Desktop Browser Game | Frontend Developer

Tech Stack: HTML/CSS/JS

Github | Live Site

Workflow Catalog | Full CRUD App for Internal Co. Use | Full Stack Developer

Tech Stack: Angular, .NETCore, EF Core, C#, Mediatr, PostgreSQL (dev), PL/SQL (production)

- .NET Core project in C# with LINQ (Language Integrated Query), EF Core (Entity Framework), dependency injection, CQRS (Command Query Responsibility Segregation) - via Mediatr - with a clean architecture geared specifically towards .NET.

Diabetic Retinopathy Classifier | Medical Image Classifier PoC | Data Scientist

Tech Stack: Python, Tensorflow, Keras, OpenCV, NumPy, matplotlib, Jupyter Notebook

- Designed and trained an image classifier for early detection of retinopathy from retina images that was trained on publicly available data and tested on anonymized in-house data.

EDUCATION

General Assembly | Remote   Jun '23 - Sep '23

Certificate of Completion, Software Engineering Immersive (SEI)

Coursera | Remote/Self-Paced   Dec '18

Certificate of Completion, Deep Learning, a 5-course specialization by deeplearning.ai

Coursera | Remote/Self-Paced   Mar '16

Certificate of Completion, Machine Learning by Stanford University

Baskent University | Ankara, Turkey   Sep '09 - Jul '15

(M.D.) General Practitioner