

Can Göloğlu

SOFTWARE 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: HTML | CSS | JavaScript | Python | C# | Visual Basic | C++

Frameworks: NodeJS | Mongoose | Express | Angular | React | Bootstrap | EJS | jQuery | Jest | Django |

Tensorflow | Keras | .NET Core | EF Core

Databases: MongoDB | PostgreSQL | PL/SQL

Tools: VS Code | VS Community | Replit | Git | ChatGPT | Stable Diffusion | Postman | NSwag | MediatR

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

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

PROFESSIONAL EXPERIENCE

Pfizer | Remote

Nov '22 - Mar '23

Business Analyst

- Worked with a multi-national team of developers, product owners and project managers at a global web-deployment project as part of the global deployment team; establishing 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.
- Led the in-house data science team 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.
- Designed an in-house on-line system for streamlining collection of data from various departments and produced a system design document with workflow diagrams and draft ERD.
- Carried out clinical tasks filling-in for family physicians on-leave, provided non-forensic coronial services by performing initial examination of the deceased.

SOFTWARE ENGINEERING EXPERIENCE

PROJECTS COMPLETED AT GENERAL ASSEMBLY

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. Implemented end-to-end encryption, ensuring client-side data encryption and private/public key management.
- Short-lived Json Web Tokens for robust user authentication that expire in 30 seconds to minimize security risks. Seamless token refresh flow between server and clients.

- Unique data storage architecture to mitigate data breach risks, based on singly linked lists with encrypted metadata and message references.

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](#)

- Leveraged mob programming approach to collaborate and turned challenges into learning opportunities. Had to revise entire data model 2 days before deadline. Overcame as a team and were able to deliver a highly polished project.

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

Tech Stack: Django, Python

[Github](#) | [PyPI](#)

- Clean architecture, Django-style open-source package for light-weight e-mail verification.

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](#)

- Highly interactive and responsive tele-medicine web application that connects non-specialist health care providers (HCP) with ophthalmology specialists for early detection of diabetes induced retinopathy (DR) in underserved regions where access to specialized eye care may be limited.
- Leverages custom trained image classifier for retinopathy classification. Adheres to best-practices: clean architecture, MVC, service layer abstraction, encryption-at-rest.

Solitaire | Desktop Browser Game | Frontend Developer

Tech Stack: HTML/CSS/JS

[Github](#) | [Live Site](#)

- Custom event-driven MVC architecture with vanilla Javascript, HTML5 and CSS3. Desktop browser game of Klondike Solitaire. A practice in DOM-manipulation.

OTHER PROJECTS

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