Idan Hur

Software Developer

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About

- ✓ Cum Laude (87 GPA) Software Engineer with solid knowledge of backend programming languages, frameworks, databases, APIs, data structures and tooling.
- ✓ Proven track in various projects demonstrating solid backend development knowledge and skills.
- ✓ Fast learner natural autodidact, self-directed, results driven, team player, solid time management, can-do approach, strong problem-solver with excellent interpersonal communication skills.

Projects

Trip Management Application: (link)

- ✓ Led backend development as well as design, testing and deployment of a trip planning application based on personal preference such as favorite locations on google maps. utilizing Spring MVC framework, Kubernetes, Maven, Spring JPA, Postman, CRUD, JUnit tests, Restful API, Google Maps APIs, and PostgreSQL database with BitBucket version control.
- ✓ Modeled data structures, created DB tables using SQL scripts, designed and prepared tests, implemented CI, developed the Rest Services, and generated Hibernate Entities and JPA repositories.

Battleship Game: (link)

- ✓ Designed and developed Battleship game written in Python utilizing Client-Server architecture, used Socket and Selectors libraries for the implementation and support of multiple clients, JSON for communication between the clients and the server, implemented a logger using logging library and a Gui interface using TKinter and pygame

Tv Show runtime: (link)

- ✓ Linux application written in C# and Python, the C# application gets a tv show name and using an HTTP GET request and receives a JSON containing all the episodes of that show and calculates its runtime, the python script gets a list of tv shows and using parallel computing calls the C# script with each tv show name and then returns the tv shows with the longest and shortest runtime.

Airline & Airport Management System: (link)

- ✓ Programmed Windows and Linux based application enabling data save to text files and binary files through bit compression, variadic functions, macros and command-line arguments.
- ✓ Utilizing pointers and data structures including dynamic pointers / data structure memory allocation.

Education

Afeka Tel Aviv Academic College of Engineering   2019 – 2023

B.Sc. in Software Engineering, specialization in Machine Learning and AI.

- ✓ Participant in the SmartUp program for honor students.

Amal Multidisciplinary Sciences and Arts Hadera   2012 – 2015

High school education - Specialized in Electronics and Computers

Software, Programming & Tooling Skills

- **Programming Languages:** Java, C, SQL, Assembly, R, Python, C#, HTML, CSS
- **Programming Architectures & Frameworks**: MVC, OOP, Spring.
- **IDE**: Visual Studio, Eclipse, PyCharm, Maven, Spring Tools.
- **Database**: MySQL (including triggers, tables and queries), PostgreSQL.
- **Packages & Libraries**: SpeechBrain, scikit-learn, Librosa, PyTorch, OpenCV, TensorFlow and Matplotlib, TKinter, pygame, Socket, Selectors, Json, logging.
- **Tooling & Operating Systems**: Windows, Linux, Docker, Kubernetes.
- **API**: Rest, Google Maps.
- **Version control**: BitBucket

Languages: Hebrew – Native, English – Fluent