

Niv Dagan – Software Engineer

Summary

Passionate and results-driven software engineer with a proficiency in Python Java and TypeScript. Committed to delivering high-quality solutions through a solid foundation of technical expertise and a proactive approach to problem-solving.

Employment History

- 2022 – 2023 Solo traveling and backpacking.

Instructor at Cyber Education Center - "Magshimim"

August 2020 — September 2022

Instructor for Python programming and computer networking. Teaching security practices, tools, and concepts such as: packet sniffing, DDOS, Phishing and Application security. Through engaging lessons and interactive activities, I facilitated hands-on learning experiences that allowed students to grasp complex concepts in an accessible manner.

Network and Security Engineer at IDF - Mamram

July 2013 — July 2017

Multi-vendor networking experience: Cisco, Check Point, Radware. Skilled in architectural planning, involving low-level and high-level design, and hands-on implementation, including devices configuration and security policies. Proficiency in network protocols and standards. Developed automated code using Ansible and Python to facilitate complex processes. Capable of working independently as well as in a team within tight schedules. Experienced in large complex organization.

Projects

- Developed and deployed microservices in GCP with Flask as the primary framework. Experienced in containerization, serverless computing, API design and security practices. (as a freelancer)
- **Neural Network** – Developed a Fully Connected NN on the MNIST dataset with Pytorch achieving an accuracy of 99.2% Leveraged essential libraries including numpy, pandas, matplotlib and SciPy.
<https://github.com/Nivhaham/FCNN>
- **Movie recommendation system** - I used an open-source API to gather movie data, process it and recommend movies by user preference. Pandas, json, and requests were among the key libraries used.
https://github.com/Nivhaham/Movie_recommendation_system
- **Letters Modification** – I Created a Gui program that manipulates images of the Hebrew Alef Bet. Using OpenCV, tkinter and numpy.
https://github.com/Nivhaham/lettersModifications_openCV

Education

Bachelor of Computer Science with specialization in Data Science, Ben-Gurion University of the Negev
2019 — 2022

Details:

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Links:

[LinkedIn](#)
[GitHub](#)

Website:

nivdagan.com

Tech Stack:

Python, JavaScript,
Java, TypeScript,
C#, SQL, SQLAlchemy,
PostgreSQL, MongoDB,
Flask, FastAPI,
Node.js, React,
Git, GitHub,
Docker, Kubernetes,
Microservices,
AWS, GCP,
RESTful API,
Jira, Linux,
Computer Networking,
Data Structures,
OOP, Design Patterns

Courses:

CCNA,
AWS solution architect –
associate

Languages:

Hebrew – Native tongue
English - Highly proficient
Spanish - Intermediate