Michail Selvesakis

Profile

A Computer Science student bringing forth a motivated attitude and a strong desire to learn new technologies. Comfortable with various programming languages, Virtualization Technologies, System Administration, Relational Databases, and modern Web Technologies. Interested in Data Ops, AI, Cybersecurity, and Networking. In combination with my personal experience and knowledge, I am ready to adapt to the company's needs and be part of a productive team.

Education

Computer Science, Democritus University of Thrace (D.U.Th.) - Kavala, Greece
2021 - 2025 (Expected)

Work Experience

Full Stack Web Developer & System Administrator - Limassol, Cyprus
IQ3SOLAR LIMITED Feb 2024 - Oct 2024 (Contract)

Responsible for creating an interactive web application that in combination with cutting edge PV algorithms can forecast the future energy production and show any potential faults in the PV System.

Conferences & Publications

International Summer School on Photovoltaic Systems and Emerging Technologies - I3SE
SEA-Liten - INES - HEI -D.U.Th. - 2024

SQLatch: Enhancing SQL Learning through Interactive Block-Based Programming

Selvesakis, M., Harizanis, G., & Kazanidis, I. (2024). SQLatch Enhancing SQL Learning through Interactive Block-Based Programming. Proceedings of the 4th International Conference on Educational Technology and Online Learning (ICETOL 2024). Eskisehir, Turkey (pp. 46-51).

Projects

Home LAB

A Virtual Network consisting of multiple Virtual Machines running on my computer with a variety of operating systems, communicating together while being separate from my home network. (Using VMWare, Docker)

SQLatch

A puzzle-like learning platform that I co-developed as a part of AETMA LAB. It takes on teaching the SQL Language by having intuitive lessons and a sandbox where students can experiment side to side. It is currently self-hosted in my Home LAB.
Project URL: https://sqlatch.michaelselvesakis.com/

Diabetes Prediction - POC

A simple POC project I developed in Flask (as a REST API) and React.JS that uses a toy dataset and an ML perceptron to "predict" and display if a person has diabetes based on some metrics. It provided me with knowledge of how a full-stack solution is structured and how the front end co-operates with the backend. It is also currently self-hosted in my Home LAB
Project URL: https://diabetes.michaelselvesakis.com/

GridLab Cloud

A cloud provisioning WebApp enabling academic users to easily allocate and manage virtual machines hosted on university infrastructure (Grid lab). The platform features a dynamic user interface for effortless VM management and a powerful administrator panel for real-time server health monitoring and optimized resource utilization. Developed the load-balancing logic and implemented full-stack integration, including frontend, backend, middleware, system administration, and networking components, to deliver a seamless and efficient experience.
Project URL: https://cloud.gridlab.gr/

Details

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Date Of Birth
26 Dec. 2003

Social

LinkedIn: in/michael-selvesakis
Github: https://github.com/miselve

Website

https://michaelselvesakis.com

Certifications

Cloud Engineering - Code.Hub
Network Technician - Cisco
Introd. to Cybersecurity - Cisco
LTLO - Athabasca University
Proficiency - Univ. of Michigan

Skills

JavaScript (React.JS / NEXT.JS)
Backend (C# / Python / Java)
Virtualization (VMWare, Proxmox)
System Administration
SQL Databases
Docker / Portainer

Hobbies

Photography
Music production
Multi-Instrumentalist
Application Development

Languages

Greek - Native
English - Proficiency Level