Michalis Volakis

Skilled software engineer and computer scientist, specializing in developing modern, scalable and versatile web apps

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Experience

IT Support Engineer · Hellenic Army

Mar 2023 - Aug 2023

- Maintained and improved the existing IT infrastructure and provided technical assistance
- Responsible for overseeing the smooth function of servers & VMs
- Ensured stability of the network architecture and compliance with existing security protocols
- Proposed and facilitated solutions for utilizing IT resources efficiently
- Communicated technical concepts to non-technical personnel

Back-End Software Development Intern · Quintessential SFT

Feb 2022 - Aug 2022

- Responsible for developing and implementing new features to a Backend as a Service (BaaS) Platform that simplified the development of a self-hosted backend
- Contributed to performance and network improvements, delivering an efficient and scalable web product.
- Worked with technologies such as gRPC, GraphQL, WebSockets, Prometheus and Grafana
- Engineered solutions for data migration and extension of the PostgreSQL and MongoDB databases for the platform
- Collaborated with a team of software engineers to ensure consistency across the user experience

Education

BSc Informatics & Telecommunications

National and Kapodistrian University of Athens

Oct 2018 - Sep 2022 GPA: 7.88/10

- Worked with various programming languages such as C, C++, Java, Python, JavaScript
- Software development methods & concepts (version control, agile and waterfall methodologies)
- Algorithms & data structures
- Multithreading & parallel systems
- Good knowledge of computer networks
- Cloud computing and distributed systems
- Machine learning & neural networks

Projects

Ecommerce API

An Ecommerce API built with Spring Boot for handling the back-end logic of an e-shop. Provides support for secure authentication, user profiles, cart management, product search & handling and order processing.

WorkNet

A professional social networking platform built with the MERN stack. It allows users to discover and add new places in various cities, rate shops and connect with other people. The project was built using Node.js, Express.js, MongoDB, AWS SDK, Socket.IO & JWT Authentication.

Skills

Programming Languages

Java, Python, JavaScript (ES6+), TypeScript, C, C++, Bash, HTML, CSS

Frameworks & Libraries

Spring, JPA, Hibernate, Node.js, Express.js, ReactJS, NextJS, Redux

Database Management

MySQL, PostgreSQL, MongoDB, Redis

Tools & Platforms

Git, Github, Docker, Docker Swarm, Postman, Netlify, Apache Maven, NPM

Interests

Cryptocurrencies, fintech, photography, science fiction novels

Languages

Greek	Native
English	Proficient (C2)
German	Intermediate (B2)