





George Argyris

Software Engineer

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 <https://georgeargyris.github.io/Portfolio-Official/>

Profile

As a senior student in my final year at the Technical University of Crete, pursuing a degree in Electrical and Computer Engineering, I have cultivated a strong foundation in software engineering principles and practices. My academic and professional interests lie in Big Data, IoT applications, and cutting-edge technological solutions. With nearly two years of experience as an OT Applications Developer, I have successfully designed and implemented Web, .NET, and Mobile Applications tailored to meet the unique requirements of operational technology environments.

Skills

Programming Languages

JAVA, PHP, Python, Scala, SQL, C#, C, Javascript, HTML, CSS

Full Stack Development

Big Data Analytics & IoT Solutions

Software Development

Problem Solving

Certifications

- Lower Certificate in English | Michigan
- Proficiency Certificate in English | Michigan

Languages

Greek ● ● ● ● ●
English ● ● ● ● ●

Interests

- Reading books on Psychology, Well-being, Economics-Marketing, and Astronomy
- Football (Involvement from a young age and participation in A-B local teams of Euboea)

Education

Technical Universtity of Crete Electrical and Computer Engineering

Chania, Greece

4th General High School Grade : 19.7 / 20

Chalkida, Greece

Work Experience

OT Applications Developer Sabo S.A | Industrial Solutions

July 2023 – present | Chalkida, Greece

- Handling large-scale projects from design to implementation, including the development and deployment of innovative IoT applications.
- Understanding and analyzing code, creating highly functional, modular, and scalable solutions, collaborating effectively with cross-functional teams, and participating in meetings with customers to gather requirements and ensure their needs are met.
- Working on both internal company projects and external client-focused initiatives, delivering tailored solutions for diverse use cases.

Peer Tutor for Java

November 2022 – May 2023 | Chania, Greece

- Offering one-on-one tutoring and group study sessions to help classmates succeed in their Java programming courses. Assistance with homework assignments, projects, and exam preparation.

Electrical Panel Assembly Sabo S.A | Industrial Solutions

July 2022 – September 2022 | Χαλκίδα, Ελλάδα

Electrical diagram reading and electrical panel wiring

Projects

Global Grid

This project involves developing an application that reads in real-time data(power consumption , voltage etc) from over 90 devices using a Node-RED setup. The collected data is stored in an SQL database at intervals of a few seconds. A web-based platform enables users to monitor these devices live, offering insights through various analytics features. Users can analyze energy consumption at different levels, including per floor or building, with visual representations like pie charts. Additionally, the platform provides daily weekly and monthly energy consumption trends, and supports exporting data to Excel for further analysis and editing.

Recipe Management

Managing and analyzing production data from industrial scales and PLCs, integrated into a Microsoft SQL Server database. Designed and implemented a Web Application to provide advanced analytics, detailed graphical visualizations, smart data searches, export-to-Excel functionality, and real-time error monitoring.

Additionally, created a .NET application using C# to facilitate the creation, deletion, and editing of production recipes and materials, streamlining operational workflows and enhancing usability.

Computerized Maintenance Management System

Developed a cloud-based Computerized Maintenance Management System (CMMS) application designed to optimize maintenance operations. The application provides features for asset management, work order creation and tracking, scheduling preventive maintenance, and monitoring maintenance tasks in real-time.

Complementary Android application to enable workers to view assigned tasks, update their status upon completion, and provide real-time feedback.