

# Loukas Merkouris

Software Engineer

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## EXPERIENCE

### P3 | SOFTWARE ENGINEER

February 2023 – Current | Athens, Greece

- Engaged in a project within the **automotive** industry focusing on **IoT** devices.
- Specializing in **Python**, and frameworks **Django** and **FastAPI**.
- Responsible for designing, developing, implementing and unit testing numerous **APIs**, **services**, and **tools** tailored to project requirements.

### HELLENIC ARMY | MANDATORY MILITARY SERVICE

March 2022 – December 2022 | Thiva, Greece

- Monitor, diagnose, and resolve technical issues associated with a range of hardware and software systems.
- Conscription Assistant.

### CARV-ICS-FORTH | RESEARCH ASSISTANT

September 2021 – December 2021 | Heraklion, Greece

- Design and implement an authentication system via OAuth2.0 and Open ID Connect using **Python**, **Django** and the **Django OAuth Toolkit**.
- Authenticate users against an LDAP database using **Django Auth LDAP**.

## PROJECTS

### MINI INTERNET PROJECT | PYTHON

2020

- Successfully implemented and configured a mini internet infrastructure by establishing an Autonomous System (AS) utilizing Open Shortest Path First (OSPF) protocol for internal routing and connectivity.
- Utilized Border Gateway Protocol (BGP) for external routing and connectivity between different ASes.
- Conducted extensive testing and troubleshooting to ensure proper routing and connectivity within and across ASes.

### PHOTOBOOK A SOCIAL NETWORK | JAVA, JDBC, MYSQL, HTML, CSS, JAVASCRIPT.

2020

- Developed a full-featured social network platform using Java for the backend and HTML, CSS, and JavaScript for the frontend.
- Implemented features such as user registration and login, creating and viewing posts, adding friends, and sending messages.
- Designed and implemented a responsive user interface using Bootstrap.

## SKILLS

### PROGRAMMING

Proficient:

Python • SQL

Experienced:

C • Java • C++ • JavaScript  
CSS • HTML5

Familiar:

Rust • Assembly • Kotlin

### FRAMEWORKS/LIBRARIES

Django • FastAPI • Requests  
Scrapy • BeautifulSoup

### TOOLS/PLATFORMS

Git • Docker • Kafka  
Apache Ozone • Linux  
Windows • Powershell • Bash  
Scrum • Azure

## EDUCATION

### UNIVERSITY OF CRETE

BACHELOR'S IN COMPUTER SCIENCE

Mar 2022 | Heraklion, Greece

Computer Science Department

## LANGUAGES

- Greek (native)
- English