

LEONIDAS PAPANASTASIOU

SOFTWARE ENGINEER

CONTACT

+30 6959327472

leopap25@gmail.com

<https://www.linkedin.com/in/leonidaspapanastasiou/>
<https://github.com/leonidas25>

Athens, Greece

EDUCATION

National and Kapodistrian University of Athens MSc in Data Science and Information Technologies

Sept. 2021 - Dec. 2024 (expected)

- Specialization : Big Data and Artificial Intelligence

National and Kapodistrian University of Athens BSc Informatics and Telecommunications

Sept. 2015 - Jul. 2020

- Placed in the top-3 freshman students.
- Upper Second-Class Honors (2:1)
- Member of the Student Council at the University of Athens

CERTIFICATIONS

Coursera

IBM AI Engineering Professional Certificate

Sept. 2021 - Dec. 2024 (expected)

- Specialization : Big Data and Artificial Intelligence

LANGUAGES

Greek (Native Speaker)

English (C2 Level)

German (B1 Level)

HOBBIES

Music Production (Ableton 11/12)

Writing

Sketching

PROFILE

I am a dedicated software engineer with a passion for continuous learning and innovation. With expertise in data science, blockchain technology, and full-stack development, I excel in creating impactful solutions that enhance efficiency and data integrity. My experience includes designing advanced blockchain systems at Wings ICT Solutions and leading award-winning software projects at Evolution Projects Plus. As a proactive tech community contributor and co-founder of Vision TV Entertainment, I bring a dynamic and collaborative approach to every project, always striving to push the boundaries of technology.

WORK EXPERIENCE

Blockchain & Data Engineer

Wings ICT Solutions

April 2023 -

- Design and implementation of blockchain technologies to support supply chain systems, including security, efficiency, and data integrity.
- Design, implementation and maintenance of private blockchain networks using Hyperledger Besu.
- Development of extract, transform and load (ETL) processes.
- Use of data modeling techniques and creation of database schemas to ensure robust data structures and data integrity.
- Integration of multiple data sources, databases, and APIs to build a unified data pipeline, enhancing the analytical capabilities of the business.

Full Stack Engineer / Product Manager

Evolution Projects Plus

Sept. 2020 - April 2023

- Maintained various software systems provided to municipalities all over Greece.
- Designed and developed a Waste Data Management System for the Ministry of Environment and Energy
- Django, MySQL and Django Rest API Framework were used.
- Used by over 45 municipalities.
- Incorporates ML algorithms for waste production prediction.
- Designed, developed and managed a team for the development of a dynamic workflow management system.
- ReactJS, Python and PostgreSQL were used
- It was implemented for :
- DEDA SA, the biggest Greek natural gas provider, managing over 5.000 application, 4.000 consumers and 100 employees, while also winning an award for Best Information System & IoT Application. It is the biggest implementation with 5 interconnected platforms.
- RAE, managing energy (natural gas and electricity) complaints from over 1000 consumers and cooperating with over 100 external and 50 internal users, with 2 interconnected platforms (<https://bit.ly/3JHDkzr>)
- DEDDIE, for managing smart poles for the distribution of electricity all over Greece.
- Mytilineos, a leading global industrial and energy company with a strong presence in all five continents, handling fault requests from workers living at the "Aspra Spitia" Model Community, based on Geodata decoding and dynamic location handling.

IT & Network Analyst

Liquimar Tankers Management Inc.

Jun. 2018 - Apr. 2020

- Spend first 6 months as an intern.
- Responsible for maintaining various computer systems and servers
- Monitoring implementation of various security protocols
- Documented needs of various departments
- Presented upgrade needs to management
- Stress tested company's network capabilities to remote work during the COVID-19 pandemic

SKILLS

Programming Languages

- C/C++
- Puthon
- Go
- Rust
- SQL
- Typescript/Javascript

Technologies & Frameworks

Blockchain Development

- Networks:
 - Ethereum (Solidity)
 - Solana (Rust)
- Frameworks :
 - Hardhat
 - Anchor
 - Truffle
 - ether.js /web3.py

REST API Development

- Django REST
- FastAPI
- Flask
- Go Gorilla mux

Front-end Development

- ReactJS/NextJS
- HTML/CSS
- WordPress / Shopify

Data Analysis and Machine Learning

- Pandas / Numpy / Matplotlib
- Tensorflow / PyTorch / Scikit-learn
- Web scrapping
 - Beautiful Soup
 - Selenium

Databases

- MySQL
- NoSQL
 - MongoDB
 - Firebase)
- PostgreSQL

Version Control

- Git / GitKraken
- Github / Gitlab

Shell Scripting

Flutter Cross Platform App Development

Micro-controller Programming

- Arduino
- Raspberry Pi

Parallel Programming / Multi-Threading

- MPI (C/C++)
- OpenMP (C/C++)
- CUDA (C/C++)
- multiprocessing (Python)

Co-founder

Vision TV Entertainment

Jun. 2016 - Apr. 2017

- Ideated the concept and product: provide content (TV channels, on demand services, etc.) with an innovative and ground-breaking solution (for the greek standards), that way creating a new television model.
- Gathered a lot of recognition for all big media providers in Greece.
- Developed the whole software infrastructure and was in charge of the business model.
- A rapid hardware prototype was created using :
 - Raspberry Pi 3
 - Linux
 - Python
- Stakeholder disagreement lead the project on a fork path.
- Incorporated into one of the biggest telecommunications companies in Greece.

ACHIEVEMENTS & ACTIVITIES

Speaker

18th InfoCom World Conference

Nov. 2016

Was invited to present and talk about the startup I co-founded, Vision TV Entertainment, at the session titled: "OMNI TV : Think Outside The TV Box!".

Competitions

- Contest - Hellenic Society of Mathematics «Thalis» 2008
- Athens Startup Weekend 2017 – Top 3 startups

Seminars

- PANORAMA Entrepreneurship and Career Development 2015/16/17/18
- Microsoft Business Skills Week 2018
- 13rd Annual Programming Languages Seminar – NTUA
- Business Day 2016 / 2017 - Google
- Business Day 2016 – PeopleCERT
- Business Day 2017 - Oracle
- Business Day 2017 – National Bank of Greece
- Business Day 2017 – Vodafone

Volunteering

- Helped gather funds for multiple organizations :
 - "Floga" (Parents' Association of Children with Cancer)
 - Make-A-Wish
 - Humanity Greece
- Environmental activities :
 - Part of multiple HELMEPA (Hellenic Marine Environment Protection Association) actions.
 - Part of multiple reforestation initiatives on the aftermath of big forest fires of 2019, 2020 and 2021.