Charatzoglou Michalis

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Personal Profile

Software engineer with 2+ years of experience in full stack web development. B.Sc./M.Eng in Electrical and Computer Engineering and M.Sc. in Data and Web Science. Strong skills in Python, Django/DRF, Javascript, React/Next.js and RDBMS. Experience with Agile Development and CI/CD pipelines on microservices (Git Flow, Docker, Jenkins). Proficient in English and Greek. Currently working for Data and Web Science Lab as a Full-stack Developer with DevOps tasks.

Education

Aristotle University of Thessaloniki   *Thessaloniki, Greece*
MSc in Data and Web Science - DeepMind scholarship - GPA 9.15/10   *Oct 2022 - July 2024*
- Evolved with Distributed Data Processing, Decentralized Technologies, Machine Learning, Social Network Analysis, Web Mining

University of Genoa   *Genoa, Italy*
Deep Learning and Computer Vision Summer School - Certificate   *Jun 2023*
- Principles of deep architectures, computer vision algorithms and their strong connections.

University of Thessaly   *Volos, Greece*
Electrical and Computer Engineering Dept. Diploma – 5-year Joint Degree B.Sc./M.Eng - GPA 7.66/10   *Sept 2016 - Apr 2022*
- Evolved with Fundamentals and Applications of Computer Science, Software Engineering and Information System, Hardware and Computer Architecture, Signals, Telecommunication, Networks and Energy

Work Experience

Data and Web Science Lab - Aristotle University of Thessaloniki   *Thessaloniki, Greece*
Full-stack Developer   *Jan 2024 - Current*
- Working as a Full-stack Developer for European Commission-funded projects (Trineflex, Mastermine)
- Engaged in the full lifecycle of software engineering projects, from initial design, development, testing to final deployment.
- Involved with Django REST Framework, React.js, Next JS, PostgreSQL, Jenkins, Docker
- Supervisor in B.Sc. thesis that involve software development and system design.

Saphetor   *Lausanne, Switzerland*
Python Developer   *June 2021 - Jan 2022*
- Worked as a Django developer on the Varsome product, a bioinformatics suite for processing and commenting on Next Generation Sequence (NGS) data
- Involved in code development, specifically using the Django REST Framework and database query optimizations (MySQL, MariaDB)

SKG Code   *Thessaloniki, Greece*
Software Engineer   *Apr 2021 - Jun 2021*
- Worked as a volunteer software engineer on a team project to develop a system for tracking vaccinations using Blockchain technology.
- Utilized Bigchain DB as the database and Django for the web development of the application
- SKG Code soft skills evaluation report

Latest Project

Ahoy! Rent a boat Vourvourou   *Vourvourou, Halkidiki, Greece*
ahoy.rentals   *Apr 2023 - Current*
- Designed, developed, and currently maintain the ahoy.rentals website.
- The website is for a company that rents boats in Vourvourou, Halkidiki.
- Developed using Next.js 14 with Supabase for hosting and database, and integrated VIVA Payments API for handling payments.

Skills

Programming	Python, Django & DRF, Javascript/Typescript (React, Next.js), SQL/NoSQL (PostgreSQL, MySQL, SQLite, MongoDB, Redis), HTML/CSS (Tailwind CSS, JSX, Jinja)
Miscellaneous	CI/CD(Git flow, Docker, Jenkins), Agile Development(Jira), PaaS(Heroku/Render), BaaS(Supabase), AWS(RDS,S3)
Languages	Greek - Native proficiency, English - Professional proficiency

Honors and Awards

2023	**DeepMind Scholarship**, As part of my M.Sc. course, I receive a scholarship from DeepMind. The scholarship includes weekly meetings with a mentor from DeepMind, where we conduct code reviews, discuss papers, and more.	*Thessaloniki, Greece*
2023	**Confluence Excellence Award**, Winner of the 1st award of Confluence Challenge. With exanta, spin-off of AUTH we developed a forecasting tool for Alumil to develop a solution for advanced sales forecasting	*Thessaloniki, Greece*
2024	**IFS 2024 Innovation Recognition Award** , with exanta we designed EcoGazer a solution based on my MSc thesis Wattwise: AI driven predictive analytics and energy consumption monitoring which tackles the challenge posed by Siemens SA to develop a mobile tenant app to improve energy efficiency.	*Thessaloniki, Greece*