

Stylianos Zafeiris

SOFTWARE ENGINEER



Heraklion, Greece



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PROFESSIONAL EXPERIENCE

Full Stack Developer

Alpha Omega Zed, Heraklion, Greece | Dec 2024 – Present

- Build secure backend applications using NodeJS (ver. 22.13.x) and express (ver. 4.21.x).
- Develop responsive user interfaces using ReactJS (ver. 19)

Full Stack Developer

European Dynamics, Heraklion, Greece | Oct 2021 – Dec 2024

- Participated in all development phases of e-procurement related projects.
- Developed secured backend applications using the Spring Framework, Spring Boot and Apache Struts 2 with Java (ver. 8, 17 and 21).
- Implemented responsive user interfaces with Angular 16, using PrimeNG suite.
- Designed and implemented business workflows using Camunda.
- Implemented search functionalities for projects using Elasticsearch.
- Maintained PostgreSQL database scheme for different project flavours.

Junior System Administration

Technical University of Crete, Chania, Greece | Feb 2019 – Dec 2019 & Feb 2020 – Sep 2020 (Internship)

- Support university faculty.
- Troubleshoot hardware and software issues.
- Adjusting software configurations.
- Providing system administration functions for local and remote systems.
- Keeping users informed at all stages of the support cycle.
- Monitoring system performance.
- Administering system security.
- Enforcing system security policies.

LANGUAGES

Greek | Native Speaker

English | Certificate of Proficiency in English, University of Michigan

French | Diplome d' Etude en Langue Francaise Delf B1

MILITARY OBLIGATIONS

Fulfilled from November 10, 2020 to August 10, 2021.

SKILLS

Programming Languages and Frameworks: *Java/* Spring and Spring Boot, Apache Struts 2 • *Python/* PyTorch, Tensorflow, Keras, Fast API, SQLAlchemy ORM • *Javascript/* Angular 2+, React 19 • *C* • *PHP*

Web development: HTML • CSS • SASS • Vanilla JS • Bootstrap CSS • PrimeNG • Wordpress

Tools: Docker • Elasticsearch • ActiveMQ • Apache Kafka • Camunda • Maven • Apache Ant • Redis

Version Control Systems: Git • SVN

Databases: PostgreSQL • MySQL

EDUCATION

Master of Science in Biomedical Engineering

Interdepartmental international program co-organized by University of Crete, Technical University of Crete and Foundation for Research and Technology, Heraklion, Greece | Oct 2021 – Jun 2023

- Graduated with GPA 9.21/10.

Bachelor of Science in Electrical and Computer Engineering (Integrated Master)

Technical University of Crete, Chania, Greece | Sep 2015 – Sep 2020

- 5-year cycle of studies
- Graduated with honors and achieved GPA 8.59/10.

HONORS & AWARDS

Scholarship and award from the DEMO Pharmaceuticals Program 'Start Your Journey' to the selected students with high overall GPA and high academic achievements

DEMO Pharmaceutical Company, Athens, Greece | Jan 2022

Honor of academic excellence to the student who completed his/her studies in the five-year cycle of studies from the Technical University of Crete (GPA: 8.59/10)

Technical University of Crete, Chania, Crete | Oct 2020

2nd place in the 1st phase of the contest "PRE-SFYMMY"

National Conference of Students of Electrical and Computer Engineering, Xanthi, Greece | Oct 2017

RESEARCH EXPERIENCE

Research Fellow – Full Stack Software Engineer

Digital Image and Signal Processing Laboratory, Technical University of Crete, Chania, Greece | Feb 2023 – Aug 2023

- Participated in QuaLiSID project.
- Conducted research on content recommendation models for individuals with intellectual disability.
- Developed and co-designed the system's database.
- Implemented the back-end of the final system using Python with FastAPI framework and SQLAlchemy ORM.
- Participated in system's deployment and debugging.
- Contributed to the preparation of conference and journal manuscripts.

Graduate Student

Digital Image and Signal Processing Laboratory, Technical University of Crete, Chania, Greece | Jan 2022 – Apr 2022

- Conducted research on the domains of Deep Learning and Convolutional Neural Networks, Digital Image Processing, Classification of Aortic Valve in tricuspid and bicuspid valve configurations using echocardiograms, and 3D Convolutional Neural Networks for video data analysis.

PUBLICATIONS

Papadogiorgaki M, Grammalidis N, Grammatikopoulou A, Apostolidis K, Bei ES, Grigoriadis K, **Zafeiris S**, Livanos G, Mezaris V, Zervakis ME. An Integrated Support System for People with Intellectual Disability. *Electronics*. 2023; 12(18):3803.

<https://doi.org/10.3390/electronics12183803>

M. Papadogiorgaki, K. Apostolidis, G. Livanos, E. S. Bei, **S. Zafeiris**, A. Klados, V. Mezaris, M. E. Zervakis, "A Content Recommendation Platform for People with Intellectual Disability," *2023 Fourteenth International Conference on Ubiquitous and Future Networks (ICUFN)*, Paris, France, 2023, pp. 49-54, doi: 10.1109/ICUFN57995.2023.10199882