Panteleimon Gavalas

Software Engineer

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Athens, 14233, Greece **|** Villach, 9500, Austria **|** +30-694-683-3815

Aspiring software engineer with a solid foundation in Computer Engineering and a passion for creating innovative and efficient solutions. Eager to transition into a software engineering role, leveraging strong analytical skills, hands-on experience with programming languages, and a deep understanding of complex systems and algorithms.

Actively enhancing software development expertise through continuous learning and project-based applications.

Work Experience

Senior Test Engineer   Apr 2023 – Present

Infineon Technologies | Villach, Austria

- Developed and maintained test automation scripts (Java, Python) to streamline testing processes.
- Created scripting tools to collect, log and analyze test data, ensuring accuracy, reliability and performance.
- Debugged and resolved issues in test automation systems, collaborating across software and hardware teams.
- Built reusable libraries and frameworks to optimize test efficiency and scalability across multiple projects.
- Contributed to the development of an LLM Chatbot for test engineers, designing prompts, integrating data sources, and refining model outputs to enhance issue resolution and test automation efficiency.
- Used Git and version control systems to manage and collaborate on test scripts, ensuring continuous integration and delivery.

Radio Frequency Design Engineer (Master's Thesis)   Nov 2021 – Mar 2023

Infineon Technologies | Villach, Austria

- Designed and simulated RF circuits and systems with software-driven optimizations (Python, MATLAB).
- Utilized software-controlled instruments and implemented automated tools for spectrum and network analysis streamlining validation of system performance.
- Used software to design and simulate matching networks and impedance-matching circuits.
- Developed scripts using test automation platforms to streamline RF testing and measurement processes.

Core Skills

- Programming Languages: Java, Python, C++, JavaScript
- Back-End: Java (Spring Boot), Python (Flask), Node.js
- Front-End: HTML5, CSS, JavaScript, React
- Version Control: Git, Bitbucket, GitHub

- Databases: SQL, NoSQL
- Algorithms, Data Structures
- Agile Methodologies
- Expose/Consume RESTful APIs

Education

National Technical University of Athens   Sep 2017 – Sep 2022

Integrated Master's Degree | Electrical and Computer Engineering

GPA: 9.05 / 10

Awards: Iro Georgitsi's Scholarship for Academic Excellence   Sep 2018 – Sep 2022

Languages

- Greek (Native Proficiency)
- English (Full professional Proficiency)

- Spanish (Professional working Proficiency)
- German (Elementary Proficiency)

Interests

- Travelling
- Guitar

- Cooking
- Football

- Cinema
- Hiking