Kokkalis Konstantinos | IT Consultant

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github.com/kokkales

Experience

Software Engineer, Sword Group – Athens Apr 2025 – Present

- Developed new functionalities in Java for the Schengen Information System (SIS), a core European security platform.
- Analyzed and understood complex distributed architectures to ensure reliable and efficient system integration.
- Collaborated with cross-functional and international teams to maintain high software quality and security standards.

Software Engineer Intern, Netcompany-Intrasoft – Athens Jul 2024 – Sep 2024

- Developed and enhanced backend services using Java and Spring Boot.
- Gained hands-on experience working with complex IT infrastructures.
- Contributed to a key project validating Oracle OSM (Order and Service Management) system processes post-refactoring, ensuring seamless functionality.
- Collaborated with teams in a fast-paced environment to deliver successful outcomes.

Technical Support Representative, Harokopio University of Athens – Athens Oct 2023 – Sep 2024

- Troubleshot and resolved network issues campus-wide, ensuring uninterrupted access to online resources.
- Diagnosed and fixed hardware and software issues promptly.

Educational Robotics Teacher, Nea Parothisi Gnwsis – Vathi, Evoia Jan 2022 – Jan 2023

- Designed and delivered a series of educational lessons utilizing LEGO WeDo 2.0, LEGO EV3 with Mindstorms, Python, and Scratch, tailored to students aged 7 to 18.

Education

MSc in Information Systems, Lund University Aug 2025 – Jun 2026

- **Coursework:** Information Systems, Strategic Management and IS, Business Decision Making and IS, Business Intelligence, Designing Digitization

BSc in Informatics and Telematics, Harokopio University of Athens Oct 2020 – Sep 2024

- Grade: 8.73/10
- **Coursework:** Information Systems, Systems Analysis and Software, Decision Making Systems, Programming, OOP, Algorithms and Complexity, Data Structures, Human-Computer-Interaction, Probabilities, Discrete Mathematics, Statistics, Computational Mathematics, Operating Systems, Networks, Web Development, Telecommunications, Signals and Systems, Economics

Computer Science, Freie Universität Berlin (Erasmus Programme) Mar 2023 – Aug 2023

- **Coursework:** Reinforcement Learning, Machine Learning, Artificial Intelligence, Databases, German

High School Sep 2017 – Jun 2020

- Grade: 19.8/20
  Top Students Distinction

Publications

Predicting the Lifespan of Lithium-Ion Batteries Using Machine Learning, Parameter Tuning and Model Ensembles (Invited Paper) Oct 2024

Konstantinos Kokkalis, Christos Chronis, Elena Politi, George Dimitrakopoulos, Iraklis Varlamis

2024 IEEE 10th International Conference on Big Data Computing Service and Machine Learning Applications
10.1109/BigDataService62917.2024.00026

Projects

Business Intelligence   Aug 2025 – Oct 2025
- Gathered Airbnb data and transformed them to usefule insights enhancing decision-making.
- Tools Used: Python, Qlik

Cloud Management   Apr 2024 – Jun 2024
- Performed resource utilization analysis of a system during API request execution and conducted stress testing using Python and JMeter.
- Tools Used: Python, JMeter

Data Mining   Nov 2023 – Jan 2024
- Developed Machine Learning models to predict Oscar-winning movies.
- Tools Used: Python, scikit-learn, pandas

Data Visualization   Jun 2023 - Jul 2023
- Visualized Berlin bike data.
- Tools Used: ReactJS, SQL, Node.js

Distributed Systems   Nov 2022 – Feb 2023
- Developed a web application for divorce services, including both frontend and backend.
- Tools Used: Java, Spring Boot, ReactJS

System Analysis and Software   Mar 2022 – May 2022
- Analyzed system requirements, proposed a new use case, and modeled it with various UML diagrams while defining functional and non-functional requirements and creating test scenarios.
- Tools Used: Visual Paradigm

Certifications

Google Project Management: Professional Certificate, by Google on Coursera   Feb 2025
Java 17 Masterclass, by T. Buchalka on Udemy   Aug 2024
Spring Framework 6: Beginner to Guru, by J. Thompson on Udemy   Aug 2024
Git Complete: The definitive, step-by-step guide to Git, by J. Taylor on Udemy   Aug 2024

Consulting & Business Skills

- Requirements gathering & stakeholder communication
- Business process understanding & documentation
- System analysis & UML modelling
- Project coordination fundamentals (Google Project Management Certificate)
- Data-driven decision making & reporting

Technical Skills

Languages: Java, Javascript, C, Python, SQL, HTML, CSS

Frameworks and Libraries: Spring, ReactJS, PyTorch, TensorFlow, Pandas, NumPy

Technologies: UNIX, Docker, Azure, Microsoft Windows, Computer Hardware

Volunteer Experience

Make A Wish Greece   Dec 2024 – Jul 2025
- Fulfilling wishes for kids with serious illnesses through events.

Erasmus Student Network, Harokopio University of Athens   Jan 2021 – Sep 2024
- Assisted students from diverse backgrounds with computer science courses and acclimatization to Greek culture and campus life.

Languages

Greek: Native
English: C2
German: B1

Interests

- Hiking
- Music
- Traveling
- Football