

Dimitrios Sourailidis

Senior Software Engineer

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PROFESSIONAL SUMMARY

Senior Software Engineer with 6+ years of experience building enterprise software and distributed systems using C#/.NET and Java. Experienced in designing scalable applications, CI/CD automation, cloud technologies, and AI-powered systems using LLMs and RAG architectures. Proven experience delivering solutions for large enterprise clients including Mercedes-Benz, BMW, and Greek government agencies, with a focus on technical ownership, automation, and high-impact software delivery.

TECHNICAL SKILLS

Backend: C#, .NET, ASP.NET Core, Java, Spring Boot, REST APIs, Microservices, Distributed Systems, Hibernate, WPF, .NET MAUI
Frontend: JavaScript, TypeScript, React, Next.js, jQuery, HTML/CSS
Databases: MS SQL Server, PostgreSQL, MySQL, MariaDB, Vector Databases
Cloud & DevOps: Azure, Docker, Kubernetes, Jenkins, GitHub Actions, GitLab CI/CD, Git, Linux, PowerShell
AI Engineering: LLM Integration, Retrieval-Augmented Generation (RAG), Vector Search, AI Agents, Model Context Protocol (MCP)
Testing & Quality: xUnit, JUnit, Selenium, SonarQube, Test-Driven Development, Automated Regression Testing
Ways of working: Scrum, Agile

PROFESSIONAL EXPERIENCE

Senior Software Engineer 06/2023 – Present
Akkodis Germany | Client: Mercedes-Benz Stuttgart, Germany

- Designed and shipped a centralized floating-license management system now used by 100+ engineers across 4 teams, replacing manual administration with auditable license utilization, access control and compliance.
- Built a Jenkins and PowerShell pipeline that runs automated hardware testing across 10 test benches, taking manual execution out of test cycles that run four hours or longer.
- Shipped an LLM tool that reads 10-page automated test reports and pinpoints anomalous values and failures in seconds, replacing a field-by-field manual check. It processes after-hours runs unattended, so engineers arrive to a verdict instead of a backlog.
- Delivered a RAG-based support assistant integrated with OTRS, retrieving from internal documentation and source code through a vector database. Ticket throughput rose from 2-3 per agent per day to roughly 10.
- Own features end to end with client stakeholders and engineering teams, from requirements through delivery.

Technologies: C#/.NET, WPF, Microservices, MS SQL Server, Azure, Docker, Jenkins, PowerShell, xUnit, Git, Flexera, RAG, Vector Databases, LLM Integration, Scrum

Software Engineer 10/2022 – 06/2023
Akkodis Germany | Client: BMW Group Munich, Germany

- Led the development of three critical enterprise applications for the BMW vendor user-access portal, with more than 400.000 business users and big focus on high availability.
- Automated the regression suite, removing manual regression passes before each release and raising release confidence.
- Led the handover of 3 applications to new service providers, coordinating client, operations and vendor teams through the transition.
- Investigated production issues with client and operations teams, traced root causes and shipped fixes under fixed release deadlines.

Technologies: Java, Spring Boot, Liferay, Hibernate, JavaScript, jQuery, HTML/CSS, PostgreSQL, LDAP, Docker, Azure, Linux, GlassFish, Jenkins, JUnit, Selenium, Nexus, Git, Scrum

Full-Stack Developer

CITIBILL

09/2021 – 09/2022

Xanthi, Greece

- Maintained and enhanced a water-utility billing system used by Greek government agencies to issue and manage bills for approximately 700,000 households.
- Designed and developed a cross-platform mobile application from scratch, extending the platform with a digital self-service channel for customers to pay and monitor their bills.
- Introduced CI/CD, SonarQube static analysis, and Test-Driven Development to a five-person Agile team, reducing release cycles by 40%, cutting defect rates by 30%, and increasing test coverage from 55% to 85%.
- Gathered requirements directly from local government stakeholders and carried features from planning through implementation and release.

Technologies: C#/.NET MVC, IdentityServer, .NET MAUI, JavaScript, jQuery, HTML/CSS, MS SQL Server, Docker, Azure, SonarQube

Freelance Web Developer

Crowsec.io

09/2020 – 09/2021

Remote

- Built and maintained web applications and e-commerce sites for clients in the USA, Germany and Greece, delivering four projects on schedule and on budget.
- Ran client communication and coordinated external vendors without account management support.

Technologies: .NET Core, JavaScript, React, HTML/CSS, PostgreSQL, Docker, Firebase Authentication

Research Intern

IMT Atlantique

02/2020 – 08/2020

Rennes, France

- Worked in a team of four researchers on optimizing IoT Routing Protocols
- Developed an extension for the industry standard operating system for networked, memory-constrained systems with a focus on low-power wireless Internet of Things devices.
- Designed solutions based on the Internet Engineering Task Force Standards
- Worked together with major telecommunication corporations such as Orange, CISCO, IBM and HUAWEI to identify requirements and design common solutions.
- Published a research paper in a scientific journal. Title: WoWMoM 2020 - IEEE 21st International Symposium on "A World of Wireless, Mobile and Multimedia Networks", Aug 2020, Cork, Ireland

Technologies: Java, Embedded C, Python, JavaScript, ContikiOS, COOJA Simulator

EDUCATION

B.Sc. Informatics Engineering, Software Engineering Orientation

International Hellenic University

09/2015 – 09/2021

Greece

Thesis: On Minimizing the Control Plane Traffic of RPL-based Industrial Networks

PUBLICATIONS

Peer-reviewed paper presented at WoWMoM 2020, IEEE 21st International Symposium on "A World of Wireless, Mobile and Multimedia Networks".

[Paper Link](#)

LANGUAGES

Greek Native | **English** Fluent (C1) | **German** (A2) | **Russian** Basic