CHUKRI SOUEIDI

Software Engineering Specialist and Researcher

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EXPERIENCE

Software Engineering Researcher / Doctoral Candidate
Inria

📅 2019 – Present   📍 Grenoble, France

- Conducted research in software engineering and formal methods, resulting in several peer-reviewed publications.
- Engineered state-of-the-art tools in program instrumentation, dynamic analysis, testing, and monitoring.
- Mentored junior researchers and collaborated with external teams, including the Formal Computer Science Laboratory at UQAC.
- Contributed to the CPS4EU project, a European initiative to improve the reliability of industrial software systems.

Senior Software Engineer and Analyst
American University of Beirut

📅 2012 – 2019   📍 Beirut, Lebanon

- Engineered lighthouse projects that became the backbone for student services such as the student payments portal, student electronic voting system, student clearance system, and AUB estore.
- Designed and developed innovative software solution products within strict deadlines; managed the student software factory team.

Software Development Team Lead
HealthInvest

📅 2009 – 2012   📍 Beirut, Lebanon

- Developed a fully-fledged electronic medical records product along with an appointment, invoicing, and a web-based retail system.
- Liaised with medical professionals, institutions, and Middle Eastern governments to establish medical agreements and deploying clinical solutions.

Software Engineer
Partners Managerial Systems

📅 2009   📍 Beirut, Lebanon

- Worked on converting an old legacy hospitality management solution into .Net framework.
- Collected requirements from stakeholders during field trips.

AWARDS AND HONORS

🏆 **Microsoft Most Valuable Professional (MVP) Award**
3 times: 2014, 2015, 2016

📖 **Author of 'Microsoft Azure Storage Essentials'**
2015

🏆 **Student of the Year Award**
AUB 2019

EDUCATION

Ph.D. in Computer Science
Université Grenoble Alpes

📅 2020 – 2023   📍 Grenoble, France

M.Sc. in Computer Science
American University of Beirut (AUB)

📅 2016 – 2019   📍 Beirut, Lebanon

SKILLS

Interpersonal
- Leadership, communication, negotiation, mentoring, and teamwork.
- Quick adaptation to new technologies and environments.

Technical
- Proficient in: .Net Core, C#, Java, Python, WordPress, Angular, React, SQL and NoSQL, Microsoft Azure.
- Expertise: Various cloud technologies, Infrastructure, data science, big data, machine learning, AI.

Project and Change Management
- Proficient in planning, resource allocation, risk management, and driving innovation.
- Experienced in managing and implementing change across diverse teams.

Languages
- English - Fluent
- French - Intermediate (B2)
- Arabic - Native

SELECTED PROJECTS

CPS4EU Europe
Researcher

📅 2019 – 2022   📍 France

- Worked to adapt our tools to create a single flow for modeling and verification in Cyber-Physical Systems; supporting our partners in the project.
- Developed methodologies specifically focused on collaborative lifting scenarios, reducing the risk of drone collisions and ensuring reliability and human safety.

Establishment of the Water of Beirut and Mount Lebanon
Chief Developer

📅 2018   📍 Beirut, Lebanon

- Engineered a smart metering cloud based software solution deployed in parts of Beirut, optimizing water usage and billing for thousands of households. The application sends real-time alerts to consumers, encouraging responsible water usage.

Vehicle Plate Issuance System
Chief Developer

📅 2017   📍 Beirut, Lebanon

- Streamlined the issuance of car plates and RFID stickers through a dedicated web software solution, improving efficiency and accuracy for government and third-party brokers. The system has processed tens of thousands of vehicle registrations with minimal errors.

Traffic Management Office
Consultant

📅 2015   📍 Beirut, Lebanon

- Consulted the development of the official TMO mobile app, used to receive real-time traffic updates, reducing time spent in traffic and improving road safety.

TEACHING

TA and Co-Lecturer
Université Grenoble Alpes

📅 Fall 2021

- Taught "Industrial Processes for High-Confidence Design" with a focus on testing, monitoring, and runtime verification.

TA and Co-Lecturer
American University of Beirut

📅 2017 – 2019

- Instructed courses in Mobile Development, Programming for Digital Art, and Introduction to Computing Systems.

Trainer and Lecturer
Multiple Venues

📅 2012 – 2014

- Conducted .NET workshops at American University of Beirut in collaboration with Microsoft.
- Led training courses for professionals in .NET Framework and Windows-based application development at Formatech Lebanon.
- Conducted a variety of lectures and workshops ranging from Windows Phone development to Azure integration and app deployment.
- Provided training and guidance at events like TechDays and Microsoft Developers Bootcamp.