



Al Maha Abu Zuraiq

Full-time Lecturer

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Work Experience

Full-Time Lecturer

2025 (Feb) - Present

Princess Sumaya University for Technology

Lecturer in the Cyber Security department teaching courses in Information Security Compliance, Penetration Testing, Secure Web Development, and Secure Coding. Passionate about hands-on learning, industry-aligned education, and mentoring students in cybersecurity projects. Committed to fostering a dynamic learning environment while staying updated with evolving security standards and best practices.

Software/ Security Tester

2020 (Aug) - 2025 (Feb)

Royal Scientific Society - NSQAC

I worked as a security tester focusing on Vulnerability Assessment and Penetration Testing (VAPT). My responsibilities include planning, executing, and finalizing VAPT projects for networks, web, mobile apps, and APIs, preparing checklists based on security standards and best practices for each technology, and leading and coordinating team efforts. I also conduct thorough information security assessments to provide a detailed overview of a client's security posture across various domains. Additionally, I contribute to university training programs, develop cybersecurity training materials, engage in proposal development, and manage technical documentation to enhance and support cybersecurity practices.

Teaching Assistant

2018 (Feb) - 2020 (Jan)

Princess Sumaya University for Technology

I have occupied this role four times during this period. My duties included: Assisting in teaching object-oriented programming lab, marking different courses' assignments, and providing technical support for students during and outside laboratories.

Education

Masters degree in Information Systems Security and Digital Criminology

2017 - 2020

Princess Sumaya University for Technology

GPA: 88.5/100 Excellent.

- As part of my degree, I have developed a good experience in research skills such as surveying the relevant literature, professional and academic writing, designing and conducting experiments, and analyzing and reporting quantitative results.
- My thesis is about phishing detection techniques where various phishing detection approaches in the literature were reviewed and categorized into four main groups. I also held a comparison between different machine learning and fuzzy logic techniques in terms of their accuracy and efficiency. Eventually, different experiments based on these techniques were performed resulting in a recommended highly-performing approach.

Bachelors degree in Computer Information Systems

2012 - 2016

Yarmouk University, Jordan

GPA: 85.0/100 Excellent with Honours.

- My graduation project was a 3-month team project to develop an Alumni Information System. Technologies employed: HTML, CSS, Java-script, and PHP. My role included: system design, implementation, and UI design.

Technical Skills & Expertise

- **Security Testing & Vulnerability Assessment:** Proficient in VAPT for Web, Mobile, Networks, and APIs, utilizing tools such as Burp Suite, Nessus, Nmap, Metasploit, ZAP, Nikto, Dirbuster, MobSF, and others to identify and mitigate vulnerabilities.
- **Information Security Management & Compliance:** Extensive experience in Information Security Management System (ISMS) implementation, compliance strategies, and risk assessments to ensure robust security governance with hands-on experience in ISO 27001 compliance, gap assessments, and implementation of security best practices..
- **Source Code Analysis:** Skilled in SonarQube for code-level security analysis, identifying vulnerabilities and ensuring secure coding practices.
- **Security Standards:** Strong expertise in OWASP Top 10 security risks for Web, Mobile, and APIs.
- **Security Monitoring & Incident Detection:** Experienced in Splunk for security incident monitoring, log analysis, and threat detection.
- **Software Testing Expertise:** Extensive knowledge of functional testing, UAT (User Acceptance Testing), performance testing, and security testing methodologies.
- **Test Automation:** Skilled in Selenium WebDriver (Java-based automation) and Katalon Studio for comprehensive software test automation.
- **API Testing & Security:** Proficient in API functional and security testing using Postman to assess API vulnerabilities.
- **Web Application Development:** Strong expertise in web application development technologies, frameworks, and programming languages.
- **Technical Writing & Documentation:** Exceptional ability in technical writing, report generation, cybersecurity documentation, and policy drafting, ensuring clarity and compliance with industry standards.
- **Course Development & Training:** Highly experienced in designing, structuring, and optimizing cybersecurity course materials, lectures, and training resources to enhance student engagement and industry readiness.
- **Machine Learning & Data Mining:** Proficient in machine learning and data mining tools such as WEKA and KEEL, applying data-driven techniques in cybersecurity analytics.
- **Programming Languages:** Expertise in C++, Java, Python for software development and scripting.
- **Productivity:** Advanced proficiency in MS Word, MS Excel, MS PowerPoint, and MS Project,

Certifications

- **Certified in Cybersecurity (CC)**, from (ISC)², 2024 & **Member of (ISC)²**
- **API Security Fundamentals**, from APIsec University, 2023
- **API Penetration Testing**, from APIsec University, 2023
- **API OWASP API Security Top 10**, from APIsec University, 2023
- **CTAL-TA (Certified Tester Advanced Level Test Analyst)**, from ISTQB (International Software Testing Qualifications Board), 2022.
- **CT-ST (Certified Tester Security Tester)**, from ISTQB (International Software Testing Qualifications Board), 2021.
- **CTFL (Certified Tester Foundation Level)**, from ISTQB (International Software Testing Qualifications Board), 2021.
- **ISO/IEC 27001 Lead Implementer-Information Security certification**, from .BSI (The British Standards Institution), 2020.

Research & Publications

- **Abuzurraq, A., Alkasassbeh, M., & Almseidin, M.** (2020, April). Intelligent Methods for Accurately Detecting Phishing Websites. In 2020 11th International Conference on Information and Communication Systems (ICICS) (pp. 085-090).
- **Almseidin, M., Zurraq, A. A., Al-Kasassbeh, M., & Alnidami, N.** (2019). Phishing Detection Based on Machine Learning and Feature Selection Methods. *International Journal of Interactive Mobile Technologies (IJIM)*, 13(12), 171. doi: 10.3991/ijim.v13i12.11411

- **Zurairq, A. A., & Alkasassbeh, M. (2019).** Review: Phishing Detection Approaches. 2019 2nd International Conference on New Trends in Computing Sciences (ICTCS). doi: 10.1109/ictcs.2019.8923069
- **Research Interests:** Phishing Detection, Intrusion Detection using Machine learning and Fuzzy logic, Web Application Security, Secure Software Development, and Security risk management.