Name	**:**	**Abdalla Wasef Marashdih**
Birthdate	**:**	**15 Dec 1991**
Current Address	**:**	**Irbid, Jordan**
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Education

2018 – 2025	**PhD** in information security, Computer Science – School of Computer Science, Universiti Sains Malaysia (USM), Malaysia. *PhD dissertation Title:* "*An Improved Static Analysis Approach for Detecting Input Validation Vulneabilities In Web Application*".
2015 – 2017	**Master's degree** in information security, Computer Science – School of Computer Science, Universiti Sains Malaysia (USM), Malaysia. *Master Thesis Title:* "*Security Vulnerability of Cross Site Scripting: Detecting and Removing Approach in PHP Web Application*".
2009 – 2014	**Bachelor's degree** in computer science – Al Al-Bayt University (AABU), Jordan**.**

Professional Experience

Oct 2025 – till now	**Assistant Professor in Jadara University, Irbid, Jordan**
Aug 2022 – Apr 2024	**IT leader/Quality Manager in Clean Sheet Group, Amman, Jordan** *Description***:** - Monitor all team members and provide necessary advice and guidance. - Review completed tasks to ascertain compliance with standards. - Penetration testing on the produced systems. - Document security issues and impacts identified through offensive operations in a clear and concise manner. - Provide solutions to any complex IT related challenges in the organization.
Mar 2018 – Feb 2020	**Full Stack Developer in Whizet Plt., Malaysia** *Description***:** create fully CRM with account system (Quotation and payroll) based on PHP Laravel framework. Used many API with good relational migrations. Updating the CRM and automated pushing recent data. Debug the code and fix any errors on production. In addition, improve the UX after each stage of production. *Technologies: AWS/Git/Laravel/PHP/MySQL/JS/jQuery/JSON/HTML/CSS*
Nov 2017 – Feb 2018	**Assistant Lecturer, Universiti Sains Malaysia, Penang, Malaysia** *Description***:** Lecturer for Web Engineering and Technologies course (CMT322).
Nov 2017 – Feb 2018	**Software Engineer in Hampshire Infotech, Malaysia** *Description***:** Develop and maintain Vgrab system (Event promoting system with merchants), with changing of some Merchant functionality and UI. *Technologies***:** *Windows/PHP/MySQL/JS/jQuery/JSON/ HTML/CSS*

May 2014 – Aug 2015	**PHP Trainer/Developer in SDK Company, Irbid, Jordan**
	*Description***:** Train students to be able to build and develop any PHP web application under any requirements. This includes the practical and theoretical parts of the Zend tutorial. Build a system to facilitate the processes within the company.
	Technologies: PHP/MySQL/JS/jQuery/JSON/ HTML/CSS
Oct 2013 - May 2014	**PHP programmer in BasicSoft Company, Irbid, Jordan**
	*Description***:** Building and developing PHP Web application for different customers with different requirements.
	Technologies: PHP/MySQL/JS/jQuery/JSON/ HTML/CSS
Feb 2011 - Jun 2011	**Teacher for University Subjects in Private Centre, Irbid, Jordan**
	*Description***:** I worked in Trust Institute as a teacher for university subjects such as (C++, Object Oriented, PHP, Java, Python, Web Design "HTML, CSS, JavaScript").

Activities and Workshops

8 Sept 2017	Workshop on Academic writing and Publication, *Universiti Sains Malaysia*.
10 – 12 April 2018	Session Chair at the 3rd International Conference on Applied science & Technology, *Penang, Malaysia.*
5 – 10 Oct 2020	International Webiner on Leadership for Global Peace and Education, North Gujarat University, *Pelvai*.
19 – 25 Nov 2020	National E-Faculty Development Programme on Revised NAAC Assessment and Accreditation Framework for Teacher Education Institutions, *Pandalam.*

Skills

❖ Teaching and Training Computer Science and security university topics.
❖ Analyze requirements, developing solutions, problem solving and supporting systems.
❖ Involved in the entire software development process.
❖ Developing secure, scalable and performant web application.
❖ Perform data migrations, data transformation, and scripting.
❖ Identify and troubleshoot technical issues in the web systems.
❖ Provide solutions in web application improvement.

Languages

✓ Arabic (Native)
✓ English (Proficient)
✓ Bahasa Melayu (Beginner)

Publications

(Journals)

1. **Marashdih, A. W.**, and Zaaba, Z. F. (2016). Cross Site Scripting: Detection Approaches in Web Application. *International Journal of Advanced Computer Science and Applications (IJACSA)*, *7*(10),), pp. 148-154.

2. **Marashdih, A. W.**, Zaaba, Z. F., and Omer, H. K. (2017). Web Security: Detection of Cross Site Scripting in PHP Web Application using Genetic Algorithm. *International Journal of Advanced Computer Science and Applications (IJACSA)*, *8*(5), pp. 54-63.

3. **Marashdih, A. W.**, Zaaba, Z. F., and Almufti, S. M. (2018). The Problems and Challenges of Infeasible Paths in Static Analysis. *International Journal of Engineering & Technology*, 7(4.19), 412-417.

4. Bee, K. B., Sukumar, A., Letchmunan, L., and **Marashdih, A. W.** (2019). Improving Clinic Queues in Malaysia Using Time-Series Extrapolation Forecast and Web Based Appointment. *International Journal of Advanced Computer Technology*, 8(9), pp. 3388-3394.

5. **Marashdih, A. W.**, Zaaba, Z. F., & Suwais, K. (2021). An Approach for Detecting Feasible Paths Based on Minimal SSA Representation and Symbolic Execution. *Applied Sciences*, *11*(12), 5384.

6. **Marashdih, A. W.**, Zaaba, Z. F., & Suwais, K. (2022). Predicting Input Validation Vulnerabilities Based on Minimal SSA Features and Machine Learning. *Journal of King Saud University-Computer and Information Sciences.*

7. **Marashdih, A. W.**, Zaaba, Z. F., & Suwais, K. (2023). An enhanced static taint analysis approach to detect input validation vulnerability. Journal of King Saud University-Computer and Information Sciences, 35(2), 682-701.

(Conferences)

1. **Marashdih, A. W.**, and Zaaba, Z. F. (2017). Cross Site Scripting: Removing Approaches in Web Application. *Procedia Computer Science*, *124*, 647-655.

2. **Marashdih, A. W.**, and Zaaba, Z. F. (2017). Detection and Removing Cross Site Scripting Vulnerability in PHP Web Application. In *2017 International Conference on Promising Electronic Technologies (ICPET),* (pp. 26-31). IEEE.

3. Amran, A., Zaaba, Z. F., Singh, M. M., and **Marashdih, A. W.** (2017). Usable Security: Revealing End-Users Comprehensions on Security Warnings. *Procedia Computer Science*, *124*, 624-631.

4. **Marashdih, A. W.**, and Zaaba, Z. F. (2018). Infeasible paths in static analysis: Problems and challenges. In AIP Conference Proceedings (Vol. 2016, No. 1, p. 020079). AIP Publishing.

5. **Marashdih, A. W.**, Zaaba, Z. F., and Suwais, K. (2018). Cross Site Scripting: Investigations in PHP Web Application. In 2018 International Conference on Promising Electronic Technologies (ICPET) (pp. 25-30). IEEE.

6. **Marashdih, A. W.**, Zaaba, Z. F., and Suwais, K. (2019). Web Application Security: An Investigation on Static Analysis with other Algorithms to Detect Cross Site Scripting. *Procedia Computer Science.*

7. Baroudi, M., Alia, M., and **Marashdih, A. W.** (2020). Evaluation of Accessibility and Usability of Higher Education Institutions' Websites of Jordan. In 2020 11th International Conference on Information and Communication Systems (ICICS) (pp. 125-130). IEEE.

8. **Marashdih, A. W.**, Zaaba, Z. F., and Suwais, K. (2022). AST-Based LSTM Neural Network for Predicting Input Validation Vulnerabilities. In the International conference on Cybersecurity, Cybercrimes, and Smart Emerging Technologies. Riyadh, Saudi Arabia. Springer.