

PHD IN CYBERSECURITY | COMPUTER SCIENCE

linkedin.com/in/mahdi-almomani

MAHDI AL MOMANI

Amman, Jordan | mahdi.momani79@gmail.com | +962 79 132 0523

PROFILE

Computer Science and Cybersecurity professional with a PhD in Cybersecurity and more than nineteen years of industry experience spanning IT systems, technical support, networking and team leadership. Doctoral research addresses authentication, middleware security and data protection in Internet of Things environments, resulting in four peer-reviewed publications, including work indexed in IEEE Xplore.

After a long career applying technology in practice, I am now seeking a first university teaching appointment. My aim is to connect Computer Science and Cybersecurity theory to the systems, problems and working environments students will meet professionally, drawing on current doctoral research, published work and sustained experience supporting universities, public institutions and commercial organisations.

TEACHING INTERESTS

Prepared to teach undergraduate and introductory postgraduate courses in the following areas, with an emphasis on laboratory work and industry-grounded case studies:

- Introduction to Cybersecurity; Network and Systems Security
- Computer Networks; Operating Systems and Systems Administration
- IoT Security; Authentication and Applied Cryptography
- Technical Support, IT Service Management and Professional Practice

EDUCATION

- **PhD in Cybersecurity** – University of Mysore, India (2026)
  Thesis: *Design and Development of a Secured Authentication Contract Communication Network for IoT Environments*
- **MSc in Computer Science** – Pooja Bhagavat Memorial Mahajana P.G. Centre, University of Mysore, India (2018)
- **BSc in Computer Science — Programming & Systems Analysis** – Jerash Private University, Jordan (2005)

RESEARCH & PUBLICATIONS

Doctoral research focuses on practical security challenges in Internet of Things environments: lightweight authentication schemes, middleware security, secure session-key generation and blockchain-based data protection.

2024 **Al Momani, M. M. A. & Puttaswamy, P. S.** "Secure IoT Middleware Protocol with Multi-Key Authentication and Adler32-Based Session Key Generation." *Journal of Electrical Systems*, Vol. 20, No. 11s.

2024 **Al Momani, M. M. A. & Puttaswamy, P. S.** "Unlocking the Potential of IoT for Transforming Cities with Security and Efficiency." *Journal of Technology*. DOI: 18.15001/JOT.2024/V12I2.24.3070.

2022 **Al Momani, M. M. A. & Puttaswamy, P. S.** "Development of Secured Authentication Contract Communication Network Protocol for IoT Environment." *Fourth International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT)*, 26–27 December 2022. IEEE Xplore, 2023. DOI: 10.1109/ICERECT56837.2022.10060005.

2022 **Al Momani, M. M. A. & Puttaswamy, P. S.** "Blockchain Authentication and Data Protection for IoT Systems." *IJFANS International Journal of Food and Nutritional Sciences*, Vol. 11, Issue 12, pp. 8574–8592.



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TECHNICAL EXPERTISE

Cybersecurity & research
IoT security, authentication protocols, secure communication, blockchain-based authentication, middleware security, data protection.

Systems & infrastructure
Windows Server, Active Directory, organisational units and group policy, system administration, IT operations.

Networking & support
Network and operating-system troubleshooting, hardware and software support, PCs, laptops, printers.

Professional
Technical team supervision, client support, service contracts, account management, problem solving.

PROFESSIONAL TRAINING

CCNA (Cisco Certified Network Associate) training · MCITP training · Computer hardware maintenance · PC, laptop and printer maintenance (HP, IBM, Dell) · HTML · Leadership and group training

Languages

Arabic — Native

English — Excellent reading and writing; very good spoken communication

Additional Info

Availability: Immediate

References: Available on request

PROFESSIONAL EXPERIENCE

Senior Technical Support Engineer
Matrix for Information Technology · Amman, Jordan
Feb 2014 – Present

- Supervise the technical support team and coordinate day-to-day service delivery.
- Support multiple client sites and service contracts across IT systems and operations.
- Diagnose and resolve infrastructure, operating-system, network and user-support issues.
- Provide technical guidance to colleagues and maintain consistent service standards.

Senior Technical Support Engineer & Sales Account Manager
Middle East for Computer Corporation · Jordan
Nov 2012 – Jan 2014

- Combined senior technical support with client account management.
- Worked with customers to understand technical requirements and identify appropriate solutions.
- Built client relationships while supporting both technical delivery and commercial objectives.

Senior Technical Support Engineer
Oxygen for Computers & Telecommunications · Amman, Jordan
Sep 2011 – Nov 2012

- Led service-support activity across multiple client sites and supervised technical work.
- Served as resident engineer within PepsiCo, supporting day-to-day IT requirements.

Technical Support Engineer / IT Systems Administrator
Optimiza Jordan · Jordan
May 2007 – Mar 2011

- Provided hardware, software, network and systems support across major institutional environments.
- Resident Engineer, University of Jordan — May 2007 to Feb 2010.
- IT Systems Administrator, Optimiza Jordan — Feb 2010 to Jun 2010.
- Resident Engineer, Jordan National Library — Jun 2010 to Mar 2011.