

Amer Jundi Maho

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Career Summary

Research Software Engineer and IT Consultant with a strong background in **scientific computing, software engineering, and interdisciplinary research**. Experienced in developing and optimizing machine learning models, building scalable applications, and leading cross-functional teams. Published researcher with expertise in **simulation, modeling, and neural networks** using Python, MATLAB, and C#. Skilled in applying best-practice software engineering methods, mentoring staff, and delivering technical solutions that support impactful research and organizational objectives.

Education:

- **Catholic University in Erbil**
Computer Science
- **Franciscan University of Steubenville**
Business Analysis
- **Duhok polytechnic university**
Pharmacy

Languages:

- English – Excellent
- Arabic – Fluent
- Kurdish – Fluent
- Hindi – Good

Technical Skills:

- Programming & Modeling: Python, MATLAB, C#, PHP, JavaScript, SQL
- Applications & Tools: Git, Visual Studio, SMSS, Access
- Web & Software Development: Full-stack applications, APIs, responsive UI design
- Data Science & AI: Neural networks, deep learning, simulation and modeling
- Databases: SQL Server, Access
- General IT: MS Office (Advanced), IT systems management

Work experience:

IT Consultant (Hybrid)

PRWG& SPF | Sep 2024 – Current

- Supervise and mentor case management staff, ensuring adherence to protection protocols and ethical standards.
- Monitor case progress, conduct regular file reviews, and ensure timely, client-centered service delivery.
- Provide technical guidance on high-risk or complex cases, including crisis intervention and safety planning.
- Coordinate with external agencies (NGOs, legal, health) to secure holistic support for beneficiaries.
- Develop staff capacity through training, workshops, and performance feedback.
- Oversee data reporting, documentation, and compliance with organizational and donor requirements.

Full Stack Software Developer & IT manager

Hope Givers | Jul 2024 – Nov 2024 | Sinuni

- Designed and developed end-to-end web application features, ensuring seamless integration across front-end and back-end systems.
- Collaborated with cross-functional teams to gather requirements, optimize workflows, and deliver scalable solutions.
- Built and maintained APIs, implemented responsive UI components, and ensured robust database performance.
- The best practices applied in code quality, version control, and deployment pipelines to support efficient software delivery.
- Contributed to the organization's mission by creating technology solutions that improved accessibility and user experience.

IT manager & Project Manager

Doctors of Peace | Nov 2023 – Jun 2024 | Sinuni

Responsibilities

- Led protection team operations while managing administrative functions (HR, finance).
- Oversaw financial reporting, budgeting, and resource allocation.
- Developed and implemented HR policies, including recruitment and staff onboarding.
- Ensured compliance with organizational standards in both program and administrative activities.

Researcher

Catholic University in Erbil – under Prof. Dr. Raghad | Oct 2022 – May 2023 | Erbil

Responsibilities:

- Led the research project “*Kurdish Sign Language Recognition Using Pre-Trained Deep Learning Models*” (published in the *Journal of Electrical Systems*, 2024).
- Designed and executed the methodology, including dataset collection, preprocessing, and model training.
- Implemented and compared multiple deep learning architectures (e.g., MobileNetV2, ResNet, VGG) to evaluate accuracy, efficiency, and complexity.
- Conducted detailed performance analysis and optimization to improve recognition accuracy.
- Drafted significant portions of the manuscript and contributed to the final publication.

References:

Dr. Raghad Yousif

Professor & Supervisor, Catholic University in Erbil

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