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Omar M. Al-Ithawi

Senior Software Engineer and Open Source Contributor.

Technologies and Programming Languages

- Python, Django, JavaScript, React, Open edX platform, Git (advanced), Postgres, GCP and Docker.

Work Experience (add me on LinkedIn.com/in/omarithawi/)

Senior Software Engineer   **ZeitLabs (Remote - Jordan)**   **May 2018 - Present**

- Provided software consultations in the eLearning for Appsembler, Edraak, Pedago and others.

Staff Software Engineer   **Appsembler (Remote - Boston, MA)**   **September 2017 - Jan 2023**

- Led the design and implementation of 6 new microservices and 10 python packages.
- Led the automated testing efforts in our Open Source Tahoe LMS from 0 to 47% coverage on a ~1M LOC Python
- Set up processes to merge 8000 commits from the Open Source edX code
- Mentored 4 Software Engineers towards technical excellence (Ask me about them!).

Software Development Assoc Mgr   **Queen Rania Foundation - Jordan**   **June 2014 - September 2017**

- Led the Open edX team to maintain the Edraak platform with automated testing and continuous integration
- Contributed to the growth of Edraak from 16k learners to 1.3M, through 200+ internal and 30+ open source pull requests

Engineering Team Lead   **Eqra Tech, LLC - Jordan**   **April 2012 - June 2014**

- Led the technical team to create the company's first working MVP -- HTML5 desktop app with AWS-hosted REST API
- Supervised 3-4 software engineers and improved the joel test score from 0 to 6

Junior to Senior Software Engineer   **August 2009 - April 2012**

- Led the TipnTag.com software engineering efforts @ TipnTag, LLC (2012)
- Led the MealAdvisors.com a social network around food and restaurants @ Semantic Intelligent Technologies (2010)

Education

- **MSc Information Systems Security** at Princess Sumaya University for Technology (2015)
- **BSc in Computer Science** at Al-Ahliyya Amman University (2011)

Technical Experience and Notable Projects

- **Configuration Microservice** (2022): git-like configuration store to allow customers configure, test and undo their changes.
- **MathJax Compiler Plugin** (2015): An extension for MathJax to display Arabic mathematical equations in Arabic.
- **Recitation Tutor** (2012 - 2014): Quran (Arabic) learning app via speech recognition to evaluate users pronunciation..
- **MealAdvisors.com** (2010) and **TipnTag** (2012)**:** Specialized social networks in which I've used Zend Framework, Doctrine ORM, with single-page-app experience, MySQL.