

AHMED JAZZAR

Software Engineer

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San Jose, California, USA

INDUSTRY EXPERTISE

Project Management



Sprint Planning



Web Development



Android Development



Online Pedagogical Design



Open Source Development



EXPERIENCE

Senior Software Engineer

Appsembler

07/2019 - Ongoing Boston

An experiential learning platform lets you easily deliver Open edX courses and virtual IT labs to make your training more immersive.

- Introducing new solutions to increasing the performance within the development team.
- Running automated tests, and building the first CI/CD for company's products.
- Increase the reliability of the system by introducing new solutions to maintain the huge open-source code changes going on there.

Senior Software Engineer

ClearCare Online

05/2019 - 07/2019 San Francisco

Home care software solutions for agencies.

- Migrated the existing monolithic Django application to a serverless architecture.
- Increased the efficiency of the API calls and database querying by redefining the data structure.

Senior Software Engineer

OpenCraft

07/2018 - 11/2018 San Jose, CA

Hosts and delivers online courses on the Open edX platform.

- Worked with a B2B organization on gathering business requirements from different business and setting plans and roadmaps for each project.
- Worked on more than five open-source projects.
- Developed web solution in Python under Django Web Framework to meet different business needs.

SKILLS

Frameworks

Django Bootstrap Angular.js

React.js Flask Ruby on Rails

Serverless

Languages

Python 2 Python 3 Java C++

Swift HTML Javascript CSS

SASS LESS Bash

Templating Languages

Django Templates Mako Jinja 2

Programming Skills

A/B Testing Selenium

Multi-threading Multi-processing

ReSTful APIs Scripting Unix

OSx Lambda Functions AppSync

Code Versioning Tools

Git SVN

Databases

MySQL PostgreSQL MongoDB

DynamoDB Memcached SQLite

EXPERIENCE

Senior Software Engineer & Privacy Owner

[Edraak.org](#)

📅 01/2018 - 07/2018 📍 Amman, Jordan

Edraak, is a massive open online course (MOOC) platform, that is an initiative of the Queen Rania Foundation (QRF).

- Built internal Users Management Solutions with the marketing team which reduced the cost of using third-party services by 99% (\$5000-\$20).
- Developed an internal A/B testing tool using Redis and Django that fits our business needs and highlights the most requested metrics with 0\$ running cost.
- Wrote our first privacy policy that complies with GDPR and Turkey's DPL after extensive meetings with the dev, the lawyers, and the business departments.
- Conducted three Design Sprints with Google to build an educational app for students in 1st to 4th grade in the Arab region.
- Developed Edraak's first Search Engine that leverages machine learning to deliver user-specific results using Elastic Search, TensorFlow, and Python.

Senior Software Engineer

[Queen Rania Foundation for Education and Development](#)

📅 01/2017 - 12/2017 📍 Amman, Jordan

The Queen Rania Foundation (QRF) has aimed to be the premier resource on educational issues, in Jordan and around the Arab world, and to act as an incubator for new ideas and initiatives.

- Developed and designed learning interventions and early course completion predictions model running experiments on 500,000+ learners with a 0.87 AUC.
- Optimized database queries and code complexity using Django ORM and MySQL queries which reduced the computation time from 6 hours to 30 seconds.
- Introduced new documents bucketing approach for our MongoDB collections that speed up the documents lookup by more than 80% across databases.
- Customized edX App to build Edraak's first iOS application that served more than 100,000 users on iOS.
- Lead the technical efforts of the team on developing Edraak's K-12 online platform that currently serves more than 35,000 school students for 12 sprints.
- Contributed 280+ change, released to ~2M learner, to the Edraak edX platform and systems.

SKILLS

Methodologies

[TDD](#) [Agile](#) [Scrum](#) [Kanban](#)

[Waterfall](#)

Google Cloud Platform Skills

[APIs & Services](#) [Compute Engine](#)

[Kubernetes Engine](#) [Storage](#)

[Container Registry](#)

Amazon Web Services Skills

[Lambda](#) [S3](#) [IAM](#) [RDS](#) [SNS](#)

[Route53](#) [EC2](#) [IoT](#) [CloudWatch](#)

[CloudFront](#)

IDEs & Text Editors

[PyCharm](#) [Eclipse](#) [NetBeans](#)

[Atom](#) [Sublime Text](#) [Android Studio](#)

[Xcode](#)

EDUCATION

Master's degree,
Engineering
Management

[International
Technological University](#)

📅 2018 - Ongoing

GPA

3.65 / 4.0

B.Sc. in Computer
Science

[University of Jordan](#)

📅 09/2011 - 05/2015

GPA

3.59 / 4.0

EXPERIENCE

Junior Software Engineer

Queen Rania Foundation for Education and Development

📅 08/2015 - 12/2016 📍 Amman, Jordan

Company Description

- Launched Edraak Research platform allowing researchers in the MENA region to design better targeted educational research by leveraging educational data to create useful course materials and to support under-performing learners.
- Developed a Video Processor pipeline using AWS Notifications, Lambda, and Elastic Transcoder with building a custom Youtube deployer.
- Customized edX App to build Edraak's first Android mobile app that currently serves 13K user/ month.
- Contributed substantial changes to edX Android App that allow the app to support analytics and tracking services to suit the open-source community needs.
- Contributed 150+ change, released to ~1M learner, to the Edraak edX platform and systems.

Intern Software Engineer

Queen Rania Foundation for Education and Development

📅 05/2015 - 08/2015 📍 Amman, Jordan

Company Description

- Built Edraak's website SEO solution on Django that put Edraak's website in the first position in search engine results after being shown in the second page for years.
- Integrated and built Edraak's blog using WordPress which currently contains 190K view, 75+ post and, 865+ comment.
- Contributed 50+ change, released to ~500K learner, to the Edraak edX platform and systems.
- Built a translation pipeline that works with different text sources and formats after working on internationalizing and localizing the platform.

VOLUNTEERING

Global Shaper

World Economic Forum

📅 2016 - Ongoing

The Global Shapers Community is a network of young people driving dialogue, action and change.

Local Organizer

Global Goals Jam

📅 2017

A two day event consisting of short design sprints. Creative teams of designers, developers and Jammers from the local community.

Program Developer

King Abdulla II Fund for Development

📅 Date period

KAFD aims to support the Jordanian community by driving human and infrastructure development.

EDUCATION

A certificate in Computer Science

Ibn Sina School for Computer Science

📅 2012 - 2014

GPA

3.3 / 4.0

CERTIFICATION

Oracle Certified Associate, Java SE 7 Programmer

Oracle

App Design and Development for iOS

University of Toronto

Introduction To Swift Programming

University of Toronto

AWARDS



Best m-Government Service Award



A Computer Science Bachelors
Degree Scholarship

FIND ME ONLINE



Github

<https://www.github.com/ahmedaljazzar>



Twitter

@iamjazzar



LinkedIn

<https://www.linkedin.com/in/iamjazzar>