

# 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

#### 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.

### 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.

## TECHNOLOGIES

### Frameworks

Django

Bootstrap

Angular.js

React.js

Flask

Ruby on Rails

### 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

### Code Versioning Tools

Git

SVN

### Databases

MySQL

PostgreSQL

MongoDB

Memcached

SQLite

# EXPERIENCE

## 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.

## 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.

# TECHNOLOGIES

## 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

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### Intern Android Engineer

[Samsung](#)

 09/2013 - 01/2014  Location

Company Description

- Developed and designed an Arabic calligraphy Android app that allows users to create beautiful types easily.

## AWARDS

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**Best m-Government  
Service Award**



**B.Sc. Degree  
Scholarship**

## VOLUNTEERING

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### 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

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### A certificate in Computer Science

[Ibn Sina School for  
Computer Science](#)

 2012 - 2014

GPA

**3.3** / 4.0

## CERTIFICATION

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[Oracle Certified Associate, Java SE 7  
Programmer](#)

Oracle

[App Design and Development for iOS](#)

University of Toronto

[Introduction To Swift Programming](#)

University of Toronto

## FIND ME ONLINE

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**Github**

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



**Twitter**

@iamjazzar



**Linkedin**

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