

# Mohamed Abdulaziz

## Profile

I am a software engineer specialized in distributed ledger technologies including Ethereum, Corda and Hyperledger-Fabric/Sawtooth. I am highly passionate about the development viable blockchain and AI solutions that can solve problems that have a global impact. At the moment, I work at Blok-Z as a blockchain software engineer where I am designing a decentralized energy and carbon trading platform for a pilot project with one of the largest electric power companies in the world.

## Personal Details

Mobile: +90 506 055 9422  
Email: contact@mohamedabdulaziz.com  
Portfolio: <https://github.com/demmojo>  
Website: <https://mohamedabdulaziz.com>  
LinkedIn: [www.linkedin.com/in/moabdulaziz](http://www.linkedin.com/in/moabdulaziz)

## Employment history

### Blockchain Software Engineer

#### Blok-Z

Dec 2018 – Present

Developed a peer-to-peer renewable energy trading platform using blockchain technology. Currently building a carbon trading marketplace for a wind energy company.

#### Full-stack developer

##### Savannah

May 2017 – November 2018

Built an in-house inventory and sales management software system using Python, Flask and MySQL that stored medical supplier information, tracked status of orders, managed warehouse inventory levels, and generated reports on demand. This resulted in a 20% increase in item fill order, 15% decrease in cycle time and a 10% increase gross margin over the last two quarters.

#### Tendering Engineer

##### MGS Project Consultancy Engineering Trade Limited Co.

December 2016 – April 2017

Responsible for discovering various public and private tenders. Enhanced the company's online presence through the creation of a company storefront on multiple platforms.

#### Flight Safety Engineer

##### Civil Aviation Authority

June 2015 – September 2015

Conducted the runway safety assessment used for authorizing the first Boeing 747 landing in Somalia. Represented the department in talks with NATO, AU, ICAO and WFP concerning Search and Rescue protocols.

## Education

### Master of Science in Software Engineering (CGPA: 4.00)

Degree expected: 2019

Atilim University

### Consensys Academy Ethereum Developer Program

June 2018-September 2018

### Bachelor of Science in Aerospace Engineering

Degree received: February 2017

Middle East Technical University

## Projects

### char-rnn: A deep learning text generator

June 2018 – Present

A text generator using a multi-layer recurrent neural network in Python using Keras. I trained the network using the literary works of various poets and writers. I also developed a web API for users to generate their own texts using Flask via a webpage.

### lstm-electric-load-forecast

May 2018 – June 2018

Trained a LSTM neural network to forecast the power consumption of a household with data taken over 4 years.

## Publications

Abdulaziz, M., Culha, D., Yazici, A., A Decentralized Application for Secure Messaging in a Trustless Environment (Publisher: IEEE)

## Certifications

Ethereum Certified Blockchain Developer (99.3/100) October 2018, Consensys Academy

Corda Certified Blockchain Developer Sept 2018

IBM Blockchain Foundation for Developers September 2018, IBM (MOOC)

ISTQB Certified Tester Foundation Level May 2018

Python Programming June 2017, Wesleyan University (MOOC)

GRE Quantitative Score: 167/170

GRE Verbal Score: 168/170

TOEFL Test Scores: 117/120

## Skills

Python

Solidity

Hyperledger Fabric

Software Testing

Tensorflow

Agile Development

Git

Scrum

C++

Flask

MySQL

HTML5

JavaScript

React.js

Node.js

Microsoft Office Suite

Linux

## Languages

English

Arabic

Somali

Turkish

## Societies & Memberships

IEEE Computer Society

IEEE Blockchain Community

IEEE CS STC Blockchain

IEEE Young Professionals

Blockchain Education Network

IAENG Society of Software Engineering