Khaled **Awad**

Software Engineer | AWS Certified Solution Architect

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Alexandria,Egypt | Website

I'm introduced as a Cloud Engineer | Software Engineer | Backend developer | ReactJS on rails developer but I'd like to introduce myself as an SDE who is looking to build something that makes people's easier or at least something eventually I'd be proud of

Education

2019 | **B.S.c in Computer and Communications Engineering**
- Faculty of Engineering, Alexandria University - **GPA : 3.1**

Professional Experiences

Current
April 2021 | **Cloud Engineer | Rackspace Technology , Alexandria-Egypt**
- AWS Certified Solution Architect
- Writing infrastructure as code using CF and terraform for multi-region fault tolerant systems
- Working on Building and maintaining Highly Available and Scalabe Infrastructure
- Writing Automation scripts for services like EC2,ECS,EKS

AWS | Terraform | CloudFormation | IaaC | SSM

April 2021
August 2019 | **Software Engineer | eSpace , Alexandria-Egypt**
- Develop multiple optimized high performing pilot projects using backend Rails and Frontend ReactJS and PostgreSQL for the Database
- Analyzing, monitoring and optimizing live projects using monitoring tools like New Relic and Sentry

Ruby on Rails | ReactJS | Hooks | react-testing-library | NewRelic | PostgresQL | Jenkins | RSpec | Jest | Docker | Redis

Technical Skills

Programming Languages	**Ruby** , **Python** , (**C#**), **JavaScript**,PHP, C
Frameworks	**Rails**, **ReactJS NodeJS**, Laravel, Bootstrap, **Keras**
Development tools	**AWS**, **Jenkins**, **Jira**,Sentry,**Unity3D**,VSCode, Atom, git
Databases	MySQL, PostgreSQL, DynamoDB

Projects

*** Memes Messenger Chatbot** — Jan 2019 - Current
khaledbnmohamed/YourVirtualBuddyChatbot
Live app FB messenger
Facebook Messenger chatbot that uses Imgur API and sends you your daily dose of memes

NodeJS | NLP | APIs | DialogFlow | Heroku | PostgresQL

*** Coldplay AR world** — Jan 2019 - Feb 2019
khaledbnmohamed/Coldplay-AR-Video-Experience
More details
AR based on Vuforia Unity app shows music videos for coldplay. using "on-cloud" videos and local storage.

Unity3D | ARCore | Vuforia | Augmented Reality

Publications

*** [Academic Research] Hadith Verification Blockchain**
Nov. 2020 - Jan 2022
khaledbnmohamed/hadith-blockchains
Build a Hyperledger Fabric blockchain that stores unique versions of Prophet Mohamed PBUP in a private distributed ledger

Blockchain | Hyperledger Fabric | NodeJS

*** [Paper] Building your kingdom : Imitation Learning for a Custom Gameplay** — IEMCON 2019 - 17 October 2019
DOI : 10.1109/IEMCON.2019.8936134
Building a personalised gaming experience with a reinforcement learning brain on the top of Imitation Learning Brain

ML | Imitation-Learning | Reinforcement Learning

Extra-Curricular Experiences

2016 | **Facilitator | EYouth "Social entrepreneurship organization" , Egypt**
- EYouth organize annual competition for ideas and regular camps in different governates across Egypt.

2016 | **Mechanical Team member | "Let's Make a Robot" competition , Alexandria University**
- Designing a light weight, small size rescue robot, making sure it fits the competition standards.

2014 | **Trainer | Shift network (Euro-Arab youth Initiative), Alexandria**
- Gave several sessions within projects related to culture diversity, youth empowerment.