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` `PostgresSQL`

* 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

[PAPER] A SECURE BLOCKCHAIN FRAMEWORK FOR STORING HISTORICAL TEXT : A CASE STUDY OF THE HOLY HADITH
COMPUTERS 2022-03-14
↗ DOI : 10.3390/computers11030042
A permissioned blockchain stores Prophet Mohamed PBUP Hadiths in a private distributed ledger using Islamic organizations as main nodes

`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.