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1991.12.27 (28 years-old)

Seoul, South Korea.

# Ali Moallim – Software Development Engineer

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- 3+ years of experience as a software engineer in various industries.
- Full-stack engineer with a focus on scalable cloud architectures, big data, distributed computing, and microservices.
- Experienced in DevOps toolchain like Docker, Kubernetes, GIT, and CI environments.
- AI engineering, with a strong background in PyTorch and distributed machine learning.

## Education

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- **Kumoh National Institute of Technology Kit, Gumi, South Korea**

M.Sc. in ICT Convergence Engineering

*Major in Real-time Systems*

*February 2017 – February 2019*

- **Qassim University, Buraydah, Saudi Arabia**

B.S. in Electrical Engineering

*Major in Communication and Electronics Engineering*

*September 2009 – January 2015*

## Experience

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- **Hanwha Group, Seoul, South Korea**

*August 2019 – Present*

Data Engineer

- Architecting cloud-native big data infrastructure based on Kubernetes.
- Developing and implementing a distributed recommender system with Pytorch.
- Architecting cloud-native analytics and business intelligence platform for the recommender system.

- **Conception Co. Ltd., Gumi, South Korea**

*February 2019 – August 2019*

Software Development Engineer

- Participated in the research and development of 3D printing slicing software.
- Participated in the development of the Powder Bed Fusion (PBF) control and monitoring system.

- **Electronics Special Equipment ESE Co., Jeddah, Saudi Arabia**

*February 2015 – January 2017*

Systems Engineer

- Architecting and Developing high scale, low latency Audiovisual streaming solutions.
  - Participated in the design and integration of a distributed data stream management system of various sensors and its synchronization with the cloud.
  - Participated in the wave of government services digitalization by implementing and integrating highly scalable cloud solutions.
- **Sawerly Startup Co., Jeddah, Saudi Arabia**  
*May 2015 – February 2016*  
 Graphics Designer (*Part-time*)
    - Designed company portfolio, website, booths, and marketing campaign ads.
    - Designed wireframes and mockups of company applications.
  - **Electronics Special Equipment ESE Co., Riyadh, Saudi Arabia**  
*January 2014 – August 2014*  
 Low-Current Systems Engineer (*Intern*)
    - Participated in the design and integration of the access control system in Rafal Kempinski's tower.
    - Participated in the integration of an under-vehicles surveillance monitoring system in Rafal Kempinski's tower.
  - **Integrated Fiber Est., Buraydah, Saudi Arabia**  
*June 2013 – December 2013*  
 IT Engineer (*Intern*) Extensive data center administration Linux Shell/Bash scripting.
    - Participated in UI visualization development of the in-house data center's system logs.

## Skills / Tools

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- **Programing Languages:**  
*Python, Java, JavaScript, Golang and C++.*
- **Web Technologies:**  
*Golang, NodeJS, NGINX, graphQL, NATS, and GRPC.*
- **Data Management:**  
*Postgres, MongoDB, Cassandra, Redis, DynamoDB, and AWS S3.*
- **Big Data / Cloud:**  
*Hadoop, RedShift, Spark, Elastic Stack, Docker, and Kubernetes.*

## Keywords

Big Data, Cloud native, Machine learning, Cloud infrastrcture, IoT, Distributed computing, Micro-services.

## Languages

- \*\*\*\*\* Arabic
- \*\*\*\*\* Somali
- \*\*\*\*\* English
- \*\*\* - - Korean