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1991.12.27 (28 years-old)

`Seoul, South Korea.`

# Ali Moallim – Software Development Engineer

- 3+ years of experience as a software engineer in various industries.
- Full stack engineer with a concentration on scalable architectures, distributed computing, big data analytics, micro services, cloud infrastructures.
- Experienced on DevOps essential tools like, Docker, Kubernetes, GIT, and CI environments.
- Strong AI engineering background, with intensive PyTorch development skills.

## Education

- **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

- **Hanwha Group, Seoul, South Korea**
  *August 2019 – Present*
  Data Engineer

  - Developing and integrating big data infrastructure with cloud micro-services.
  - Architecting cloud-native big data system based on Kubernetes.
  - Designed and implemented multiple recommender system algorithms.
  - Developed time-series data warehouse infrastructure.

- **Conception Co. Ltd., Gumi, South Korea**
  *February 2019 – August 2019*
  Software Development Engineer

  - Concerned in the research and development of Powder Bed Fusion (PBF) 3D slicing software.
  - Participated in the research and development of 3D printing slicing software.
  - Participated in the development of 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 e.g. (Extron, Crestron).
- Participated in the management of various sensor devices and its cloud data synchronization.
- Participated in the wave of government services digitalization by designing and building 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 access control system in Rafal Kempinski's tower.
  - Participated in the 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 the design of UI visualization of in-house data center's loggings.

# Skills / Tools

- **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.