

Hammad Ali Khan

Data Engineer

Contact

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<https://hak-code.github.io/hak.github.io/>

Skills

AWS



Python



ElasticSearch



Nodejs



Java



Algorithms



I am interested in research and development in the field of Python, Java and Node.js. Currently working as a Senior Software Engineer at EIX Enterprise Information Xperts. The main focus is are of Data Engineering implementation on cloud infrastructure mainly AWS. Using concepts of big data involving transformation, ML, query, analytics and reporting. Using technologies to build data lake and data warehouse for driving business insights for customer valuable data.

Work History

2020-11 -

Current

Senior Software Engineer

EIX (Enterprise Integration Xperts), Karachi, Pakistan

Deployed on a US based startup Tenovos

- Worked closely with other product owner, development teams and infrastructure specialists to deliver high availability solutions for digital asset management applications.
- Anchoring team, code review, architecting, implementation and performance improvement.
- Documented software design, detected faults, troubleshooting and other vital data.

2018-10 -

2019-10

Lead Software Engineer

REON ENERGIES, Karachi, Pakistan

- Lead engineering team, requirement gathering from Product Head, technical analysis and implementation.
- Translated customer and system requirements into robust software design with test-driven approach.
- Reviewed project specifications and designed technology solutions that met or exceeded performance expectations.
- Implemented and adopted cloud technologies and best practices for automation, configuration, monitoring and platform scalability.

2018-10 -

2019-10

Senior Software Engineer

Zaavya, Karachi, Pakistan

A startup building a MDM(Master Data Management) data platform for a US based client Neiman Marcus. Platform is focused on data processing provided deep

Analytics and Visualisation

Good

Serverless

Good

ETL

Good

relations of ecommerce identities. My role include following:

- Requirement gathering from company CEO, involve in designing solution and data modelling.
- Implementation of product workflow, API designing and research on new technologies.
- Working closely with Neiman's team with infrastructure implementation.
- Implement failure handling and retry mechanism on influx ingest of data.

2017-03 -
2018-10

Data Engineer

Inbox Business Technology, Karachi, Pakistan

A startup for building smart product based on machine learning and data sciences. My role include following:

- Generated detailed studies on potential third-party data handling solutions, verifying compliance with internal needs and stakeholder requirements.
- Analyzed complex data and identified anomalies, trends and risks to provide useful insights to improve internal controls.
- Developed, implemented, supported and maintained data analytics protocols, standards and documentation.
- Lead the REON IoT project for implementation of software on AWS cloud.

2016-02 -
2017-02

Game Developer

Tenpearls, Karachi, Pakistan

Gameplan8 a game development depart of TenPearls. Where I love to build complex game logic targeting cross platform devices mainly iOS and Android. Having deep experience on Unity3D along with cocos2D.

Education

2011-07 -
2015-12

Bachelor of Science: Computer Science

FAST-NU - Karachi

Accomplishments

- Letter of Appreciation from REON Energies for delivering high quality Web and Mobile application for data platform SPARK. Providing real-time analytics and alarms for mission-critical services.

Cloud Skills

Have a good experience of following cloud technologies:

- Processing services includes EC2, Lambda, ECS
- Databases include postgres, dynamodb, mongodb, neptune
- Caching service Elasticache(Redis)
- Orchestration service AWS Step Functions
- Data Processing service includes S3, Athena, Quicksight, Spark
- Other services include SNS, SQS, SES, Cloudwatch, X-Rays, API-Gateway