AHMED
Elzeiny
Software Engineer

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elzeiny.io

SKILLS

Data
- Airflow
- Kafka
- Spark
- Hadoop Ecosystem

Backend
- Flask
- Ruby On Rails
- GRPC
- Docker
- AWS Serverless

Databases
- MySQL, PostgreSQL
- Elastic Search
- Redis
- Neo4j, OrientDB
- Presto, Hive, Impala

Languages
- Python
- Java
- C#
- Ruby
- JavaScript
- Friendship

EDUCATION

San Jose State
Aug 2011 - May 2016
- Minor Computer Sci
- Minor Mathmatics
- B.S Civil Engineering

CERTIFICATES
- AWS Associate Developer
- Engineer-In-Training
- Google Analytics

PROFESSIONAL EXPERIENCE

STAFF SOFTWARE ENGINEER - DATA TECH LEAD
LEANTAAS - SANTA CLARA, CA, JUNE 2017 – PRESENT
- Lead team of >10 engineers
- Architected data pipeline from scratch for both batch and stream data
- Designed resilient jobs to extract highly sensitive (PHI) data from hospitals
- Introduced new technologies like Apache Airflow, and AWS Athena/Lambda/Fargate with minimal supervision
- Deprecated graph (OrientDB) database and Spark cluster to reduce AWS billing
- Upheld high standards with code reviews, 1-on-1s, unit and "Data Quality" tests
- At LeanTaaS data is the product. The pipeline can never fail for any reason
- Wore multiple hats as engineer, manager, dev-ops, and tech-lead

FULLSTACK ENGINEER
DEPARTMENT OF PUBLIC WORKS – SAN FRANCISCO, CA, JUNE 2016 – MARCH 2017
- Full-Stack in ASP.NET + Entity Framework, Java Spring + Hibernate, and React
- Conceptualized, designed, and built user and staff friendly automation websites
- Saved 160 weekly staff-hours by overhauling all procedures and systems to tailored digital alternatives

SOFTWARE ENGINEERING PROJECTS

Twitch Roulette Arena
AWS Serverless, WebRTC, WebSockets, GStreamer, Java, Python, JS, Docker
- Anyone in the world can play my Nintendo Switch and stream.
- Video (WebRTC) chat room with Switch in <1 second latency.
- 100% AWS Serverless with AWS Fargate, Websocket API Gateways, and Lambdas.

Apache Airflow - Open Source Contributions
Apache Airflow, AWS Fargate, Docker
- Conceptualized the Fargate Executor as a core component to Airflow

Synapsis, Machine Learning Visualization
JavaScript ES6, Vue, D3, Webworker
- Implemented and visualized a convolutional neural network that learns how to recognize handwriting in pure JS from from the MNIST dataset

PHIlter, Hackaton Winner
React, Redux, Flask, Fargate, SQS, API Gateways
- Implemented paper on NLP to detect sensitive patient-health-information (PHI)
- Aggregated data and normalized unstructured datasets

This Resume
- Brought to you in HTML & CSS