

Robiul Hassan

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Summary

Half a decade of experience as a software engineer, spanning industries from investment banking to the ride-hailing sector. Proficient in utilizing various AWS services, including Lambda, DynamoDB, S3, RDS, EMR, Kinesis, and more. Extensive experience in working with distributed query engine and workflow tools such as Presto, Databricks, Airflow. Skilled in migrating traditional applications to containerized environments using Docker, and deploying them with Terraform, Ansible, Helm in Kubernetes/OpenShift Clusters. Strong background in client-side app development, utilizing ReactJS and Angular, as well as template engines like Jade/Pug/Haml.

Experience

Senior Software Engineer | Digilant - Boston, MA, USA

May 2022 – Present
🏢 ISPD Global Team

- ✔ Optimized Sidekiq jobs to process gigabytes of data from S3 to improve customers' daily reports.
- ✔ Provided solutions using Semrush to measure the quality and quantity of a brand's memory associations that exist in a consumer's mind.
- ✔ Migrated multi-model database into a single view and automated manual processes to reduce human errors.

Data Platform Engineer | FREE NOW (MyTaxi) - Hamburg, Germany

Jan 2022 – May 2022
🏢 Data Platform Team

- ✔ Improved Presto cluster deployment and created slim Docker images for frequent deployment on AWS.
- ✔ Developed a monitoring system using Databricks Overwatch to monitor clusters and their cost run by Airflow.
- ✔ Implemented Airflow Operators library to be able to create semantic versions for airflow clusters.
- ✔ Developed a Rule engine to configure IAM roles from Ranger S3 policies to improve Databricks S3 access using Meta profile.

Associate - Projects | Cognizant Technology Solutions - Singapore

Oct 2019 – Jan 2022
🏢 Digital Engineering Team

- ✔ Built robust microservices for customers to consume T24 and GraphQL services for a corporate-action project on Spring Boot.
- ✔ Designed and implemented a DSL engine, reducing server load by 30% during DB2 data migration for banking clients.
- ✔ Containerized payment application and automated GitLab CI/CD pipeline, ensuring seamless migration to Open-Shift using Helm.

Front-End Developer | Finterra Technologies Sdn Bhd - Margate, FL, USA

Nov 2017 – Oct 2019

 Ecosystem Team - Kuala Lumpur, Malaysia

- ✔ Spearheaded the Crypto-Exchange project using Ruby on Rails and distributed technology for efficient P2P token transfer.
- ✔ Revamped crowdfunding portal, significantly reducing initial load time through innovative lazy loading on Angular.
- ✔ Designed microservice architecture and automated CI/CD pipeline on AWS using EB, ECS, and EKS.

Education

Bachelor of Science in Computer Science | Asia Pacific University of Technology and Innovation

2015 – 2018

Kuala Lumpur, Malaysia

Skills

Programming Languages

- ✔ Ruby
- ✔ Java
- ✔ JavaScript
- ✔ Python

Cloud Services

- ✔ AWS (Lambda, DynamoDB, S3, RDS, EMR, Kinesis, and more)
- ✔ Microsoft Azure
- ✔ Google Cloud Platform

Frameworks and Tools

- ✔ Ruby on Rails (RoR)
- ✔ ReactJS
- ✔ Spring Boot
- ✔ Angular
- ✔ Docker
- ✔ Kubernetes
- ✔ Terraform
- ✔ Ansible
- ✔ Apache Airflow
- ✔ Databricks



Presto