

Faiq Ahsan

Full stack engineer (Experience 7 years). Expertise in full stack web development JavaScript (Typescript) (React, Nodejs, Next, Nest) DevOps (Docker, CICD, CDK), Python, with Cloud expertise in AWS.

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EXPERIENCE

Devigital Systems — Sr. Software Engineer

2021 – PRESENT

ClimateClub:

- SaaS application with Frontend in Nextjs, ReactQuery and Chakra UI
- Rest APIs developed in Nestjs with Typeorm
- Auth0 was used for roles and user management
- Backend Infrastructure deployed with AWS CDK (ECS, RDS) while frontend was deployed over Vercel.
- Feature flagging was implemented using split.io

Ownify:

- Full webapp built with Nextjs and Nodejs Express REST APIs
- Auth0 was integrated for Authentication and Authorization
- APIs served with Lambda functions via API Gateway and UI was deployed on Vercel
- Lambda functions secured with Authorizer lambda function
- Complete infra was deployed using AWS CDK

LAGO:

- Made an NFT crawler using Nest.js, Redis and MongoDB. Deployed the stack on AWS EKS using Pulumi as IAC. Automated the deployment with GitHub Actions.

Consuli:

- A covid 19 related application for conducting Vaccine test trials.
- Frontend using React and Redux toolkit and Rest APIs developed in Nodejs Express.
- Also created an ETL using python docker containers on AWS step functions to extract data for vaccine trials.

EDUCATION

FAST-NUCES, LHR Bachelors
in Computer Science

2012 - 2016

SKILLS

Frontend: React, Nextjs,

ReactQuery, Redux,

ReduxToolkit, Redux-Saga, UI

Libraries (Chakra, Material),

Authentication (Auth0, JWT)

Backend: Nodejs, Nestjs (Rest,

GraphQL), ORMs (Typeorm,

Prisma), Python

Database: Postgres, MongoDB,

Redis, SQL Server

Cloud: AWS passed course on

Associate Solution Architect.

Expertise with Serverless and

Containerization services.

Devops: Docker, Kubernetes,

Pulumi, AWS CDK,

Cloudformation, Github

Actions.

Dashboard Earth

- A revamp project which involved translating the existing legacy graphql APIs into Nestjs GraphQL and with Typeorm.
- Typeorm was picked up over Prisma because custom type and PG extensions were not supported in Prisma.

MountainBiometrics:

- Fixed and updated the health tracking application which and ingest data via Garmin devices built using Django.
- Backend was deployed on Azure app service and deployed using Azure CLI.
- Also performed migration of terabytes of clinical data from local storage to GCP storage.

Welfie:

- Added features in Covid 19 related web app in React, Redux toolkit, Express Rest APIs with TypeORM.
- Moved and optimized the infrastructure from Lambda to ECS and AWS Codepipeline, in order to solve the concurrent active database connections reaching limit in production. Also built its CloudFormation templates

Truleo:

- Upgraded the key signing of Golang microservices from symmetric encryption to asymmetric encryption using RSA key pairs.

Northbay Solutions — *Sr. Software Engineer*

2019 - 2020

- Developed monitoring and files transportation service using PowerShell scripting on windows file servers. To move the files from local to AWS S3 using SQS and Lambda.
- Migrated the on-premise Oracle database to AWS RDS using oracle datapump and SCT.

CureMD — *Software Engineer*

2016 - 2019

- Worked extensively in the US healthcare domain. Developed new features in the product using ASP.NET, Active directory, JavaScript, bootstrap, jQuery, SQL Server.

Publications

faigahsan.medium.com/solve-lambda-rds-connection-issues

faigahsan.medium.com/deploy-ing-aws-ecs-fargate

faigahsan.medium.com/accessing-gcp-cloud-storage-bucket

SOFT SKILLS

- Timely work delivery
- Time-zone flexible
- Quick troubleshooting and debugging