Imrul Kais Khan

Full Stack Developer

Dhaka, Bangladesh

 imrulkk89 | in imrul-kais-khan | ⊕ imrul.dev | ✉ imrulkaiskhan@gmail.com | +8801777078574

SUMMARY

Full Stack Developer with approximately 5 years of experience offering versatile skills in backend, frontend, cloud services, and data engineering; ready to contribute to a dynamic team with commitment and collaboration.

SKILLS

Backend Development	NodeJS, TypeScript, ExpressJS, NestJS, FeathersJS, RESTFul API, OAuth, Jest, Swagger, MQTT
Database Management	MySQL, PostgreSQL, SQLite, MongoDB, Redis
Frontend Development	SASS, CSS Module, ReactJS, VueJS, Redux, Vuex, Ant Design, Material UI
Cloud Services (AWS)	EC2, VPC, Subnet, NAT, Routing Table, Security Group, IAM, Route53, RDS, S3, Load Balancer, Auto Scaling
Cloud Services (GCP)	Compute Engine, Cloud Network, Cloud DNS, GCS, GKE, BigQuery
DevOps	Linux Server Administration, Docker, Kubernetes, Nginx, Terraform, Github Actions, CI/CD Pipeline
Data Engineering	AirByte, ELT Data Pipeline, Python DBT Tool
Project Management	Agile Development, JIRA, Azure DevOps, Sprint Planning, Tasks, Git Commit, Design Documents

WORK EXPERIENCE

Senior Backend Engineer at MeldCx [Australia] [Liaison Office] — Aug 2022 - Jul 2023

– Led the development of "mHotel," a kiosk-based application that improved hotel guest experiences with faster check-in/check-out processes.

– Introduced a unified interface for mHotel, standardizing API responses.

– Boosted transaction security by integrating Shift4 payment systems.

– Crafted a JavaScript payment processing library aligned with SOLID principles.

Intermediate Full-stack Engineer at Bitstrapped [Canada][Remote] — Dec 2021 - Jul 2022

– Provisioned Google Smart Factory to Boston Dynamic Cloud via Terraform.

– Enabled data transmission from Boston Dynamic's Spot Robot to Google Smart Factory.

– Developed image processing code for Spot Robot deployment.

– Conducted R&D on Airbyte ELT Tool, creating custom data sources and destinations.

– Designed and automated GCP Infrastructure for efficient data pipeline execution.

– Used Python DBT Tool to craft SQL Queries for data transformation in the ELT process.

Full-Stack Developer at BrainStation-23 [Dhaka, Bangladesh] — May 2020 - Nov 2021

– Engineered a Fintech Application linking banks in the USA and Mexico.

– Translated Adobe XD & Figma designs into ReactJS frontend interfaces.

– Developed, optimized, and tested APIs for mobile applications.

– Assisted in project management and mentored junior engineers.

Software Engineering Manager at Civilized Technologies [Dhaka, Bangladesh] — Sep 2019 - Mar 2020

– Orchestrated the development of an eCommerce web application.

– Designed AWS Infrastructure, subsequently converted to Terraform for easy deployment.

– Integrated key features such as PayPal payments and OAuth.

Node.js Developer at CarBangla**(Ride Sharing App)** [Dhaka, Bangladesh]   Nov 2018 - Sep 2019
  – Led ride-sharing app backend development.
  – Optimized AWS Infrastructure and database queries.
  – Designed database schema and optimized query for better performance.
  – Introduced geospatial search via MongoDB and an MQTT-based messaging system for real-time position tracking.

Node.js Developer at Korbyt **(Digital Signage)** [USA]   Feb 2018 - Oct 2018
  – Developed a Digital Signage app for Embedded Windows machines using ElectronJS.
  – Solely responsible for the creation of an auto-update feature and Windows Installer.
  – Contributed to RMG's multi-tenanted SAAS software using Laravel & PostgreSQL.

PROJECTS

AirByte ETL data pipeline from Spotify to Monstercat   Client - Monstercat

Tech Stack: Google Smart Factory, Python, PubSub, MQTT, Docker, Kubernetes, BigQuery

Description: Developed a high-performance ETL data pipeline on Google Cloud using Airbyte to extract data from Spotify into BigQuery. Engineered data transformation for Business Analytics and Machine Learning requirements. Translated the entire infrastructure to Terraform for improved scalability.

ABookStore.co.ke   Github

Tech Stack: Node.js, React.js, MySQL, OAuth, AWS, Terraform

Description: Architected "AbookStore," a Kenyan e-commerce platform, using ReactJS (front-end) and NodeJs (back-end). Deployed and optimized on AWS using services like S3, EC2, and RDS. Converted the AWS setup into Terraform code to boost deployability and scalability.

CarBangla (Ride sharing App)   Playstore

Tech Stack: Node.js, TypeScript, MySQL, MongoDB, Laravel, AWS, Terraform

Description: Served as a key NodeJS developer for "Carbangla", managing multiple micro-services for high-concurrency user interactions. Implemented an MQTT-based architecture for real-time data transfer and developed custom APIs. Additionally, designed an admin dashboard with Laravel and integrated Firebase Cloud Messaging for targeted communication.

EDUCATION

BSc. in EEE at **American International University-Bangladesh**

TRAINING

Google Cloud Associate Cloud Engineer — 2022

Training Conducted by: Poridhi.io

Docker Certificate & Kubernetes Certificate — 2022

Course Completed on: KodeKloud