R. M. MOBASHSHIRUL ISLAM

+88-01726238778 || rmmobashshirulislam@gmail.com || rmmobashshirulislam || GitHub || Leetcode
Dhaka, Bangladesh
Software Engineer || Full-stack Developer

SUMMARY

A passionate computer engineer who is interested in programming concepts, data structure and algorithms. Experienced as a full-stack developer and handled scalable REST API projects understanding and implementing various system design concepts. Eager to accept challenges and develop skills.

SKILLS

Programming	JavaScript. TypeScript. PHP, C++, Python
Framework	Express(NodeJS), Vue 3, Laravel, MERN, React
Database	MySQL, PostgreSQL, MongoDB, Redis
Tools	Git, GitHub, Docker, Tailwindcss
Concepts	API design, System design basic, Problem solving, Machine learning, GraphQL, JWT, OAuth2, Queue system, Basic caching
Language	Fluent in Bangla and English

EXPERIENCE

Engineer August 2024 - Present
Dotlines, Dotlines Technology Division (SSD-Tech) *Dhaka, Bangladesh*

- Building framework that is used by other projects handling 0.2+ millions of users. Automates creation of CRUD system for every module cutting development time significantly making it 4 times faster to develop each module.
- Accelerated dashboard design process by automation, generating graphs which links to SQL queries. Automated dashboard report generation.
- Integration of 3rd party software and microservices to framework for scaling different parts of the framework.
- Managing 11 micro-services that handles cashing and billing system which itself handles total subscription, product pricing, renewal, payments and account system.
- Modifying micro-services to ensure workflow for different types of SaaS products like e-commerce, ERP solution, ISP solution and more.
- Building rating engine which dynamically handles subscription pricing and charges.
- Managing charging gateways which is used by multiple products.
- Handling accounting services to track user payments and solving issues if problem arises.
- Optimizing micro-services to increase response time and increase availability, also handling fault tolerance in-case service goes down.
- Building existing backend renewal engine (NodeJS) in another framework (Spring Boot) to better handle threading (sub-process) and parallel task which cuts operation time and gives better handling for asynchronous task.
- Building streaming platform using ffmpeg and SRS to stream on multiple platform at the same time.
- Realtime notification handling for streaming operations and feedback using mqtt
- Using caching (Redis) to increase performance for payment related issues and frequent data fetching.
- Handling and setting up inhouse Linux server to setup production and staging applications.
- Collaboration experience with multiple teams to handle different software solution and business logic. Troubleshooting issues and solving logical problems with teams for different type of systems when those system uses inhouse framework and micro-services. Understanding and developing different logical conclusion for real world problems for those specific types of systems like SaaS, Edu Tech, ERP Solution, ISP solution etc.

PROJECTS

Charging And Billing System
Tech: Nodejs

- 11 Microservices that works together to provide product pricing to subscription and renewal with accounts.
- Payment system to handle subscription and account.
- Renew engine responsible for subscription renew and sending notification based on subscription.

Inhouse Framework
Tech: Laravel, Vue 3, MySQL, Docker

- REST API Framework that is used to build other projects that handles thousands of users and complex tasks.
- Handle Authentication, Authorization, Automated CRUD generation, Multiple organization hanlding and Automated report generation

Inventory Management System (Personal) **Link**
Tech: MERN

- Inventory Management System with Authorization that handles various types of product.
- Handle multiple warehouse and store system.

EDUCATION

Rajshahi University of Engineering & Technology — Rajshahi, Bangladesh
BSc in CSE — CGPA: 3.30 — Passing Year: 2023

Rajshahi College — Rajshahi, Bangladesh
HSC GPA: 5.00 — Passing Year: 2017

Rajshahi Govt. Laboratory High School — Rajshahi, Bangladesh
SSC GPA: 5.00 — Passing Year: 2015