
Md. Faruk Ahamad

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Objectives

I have always found myself intrigued by software engineering and passionate enough to learn new technologies. I am a teamplayer who loves to find out something new discussing with team and try new things. I want to diversify myself from software development to infrastructure coding.

Work experience

Mir Info Systems

Sep 2021 – Present

Software Engineer

Developed Grameenphone's internal employee learning platform using Nodejs, Express, MongoDB, ReactJs with Antd framework and for state management Redux has been used. We have used REST Api to implement and Docker to containerize the application. We have incorporated Lambda to convert large videos, images and Content Delivery Network to serve end users. Nginx has been used to load balance between Node server and Content Delivery Network(CDN)

I have been working parallelly in odoo(erp software in python) and Grameenphone's main website and webshop which was monolithic application. We are recreating this website and webshop with nextjs keeping server side rendering in mind. We are using Redux toolkit for state management and Chakra Ui to shape user interface.

I have implemented most the principle of react to handle this complex site like HOC(higher order component), designing reusable component, React Context to target some specific components.

I have also knowledge in GraphQL, WebSocket, Golang and Java. I have developed a project crafted with Golang as backend and React as frontend.

Link: <https://mirinfosys.com/>

bhalogari.com

Oct 2020 – Sep 2021

Software Engineer

A website dedicated to facilitating the buying and selling of cars. The platform was built using Django and Postgresql for the backend, while the frontend was crafted using Reactjs, Material-Ui and Redux.

I collaborated closely with the frontend team. My role was design reusable components and HOC component as were to share same logic in different components. I delved deep into the React, exploring various principles and patterns that shape its architecture. Among these, component lifecycle hooks, state management, props drilling, and lifting state emerged as pivotal concepts that enriched my understanding and proficiency in building dynamic and responsive user interfaces.

As I knew python, I involved with the backend team as well. I was also familiarized with containerization tool like docker and my assigned task to containerize the react application which enrich my knowledge about deployment process.

Link: <https://bhalogari.com/>

Grid Stacks

Mar 2020 – Oct 2020

Jr. Software Engineer

As it was my first company I was introduced to the agile development methodology, which marked the beginning of my journey into the world of collaborative teamwork. As a full-stack MERN developer, I had the opportunity to engage with both the frontend and backend teams, broadening my understanding of the development process.

This experience also marked my introduction to version control system like Git. I learned how teams effectively manage changes to the source code over time.

Within the frontend team, I was assigned to design reusable component which sharpened my knowledge about SPA(single page application).

I was also involved in backend team, Collaboratively developing API endpoints, I gained insights into SQL query execution, data retrieval from tables and data processing to align with the needs of the frontend. This experience solidified my understanding of how data flows between frontend and backend components.

Education

Bachelor of Science, Major in Computer Science

Mar 2015 – Dec 2019

Chittagong University of Engineering & Technology

Skills

Github Link: <https://github.com/i-1404063>

Languages: Javascript, Typescript, Python, Java, Golang.

Frontend: HTML5, CSS3, BOOTSTRAP, MATERIAL-UI, ANTD, CHAKRA-UI, REACTJS, NEXTJS.

Backed: Nodejs, ExpressJs, Graphql, NestJs, FastApi, Gin.

Database: Mongoddb, Postgresql, Mysql, Redis.

DevOps: Linux, Docker, AWS(EC2, CDN, S3, LAMBDA).

Deployment: Single page application deployment using docker, pm2 and nginx, Nodejs server deployment using Pm2, Python Odoo server deployment using docker, Pyhton Django, FastApi server deployment using Gunicorn WSGI server, Runs server using Systemd.

Database Recovery: PITR(point in time recovery), WAL(write ahead log) in postgres.

Github Actions(continuous deployment), Apache Kafka(data streaming, data replication)

References

References available upon request.