Maruf Hossain

Software Engineer

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Summary

Qualified B.Sc. Engineer in CSE from Ahsanullah University of Science and Technology (AUST), Bangladesh. An enthusiastic and forward-thinking software developer offering more than 6+ years of experience, succeeded in developing solutions utilizing Java, Android, JavaScript, Node.js, Hapi.js, Nest.js, React.js, Next.js with 2+ years of hands-on experience on system designing, automating, and optimizing large-scale mission critical deployments. Has several years experience practicing Agile development techniques and being competent for writing efficient, maintainable and reusable code as well as team building, professional development, strategic implementation, and company collaboration. An innovative thinker, initiative taker and multi dimensional professional with exceptional logical and analytical skills possesses as Computer Science Engineer. A strong believer in the power of positive thinking too.

Experiences

Software Engineer (Consultant)
December 2020 - Present

Ahsan Technologies Ltd.

- Designed and architected of drobboo.com and agl-bpms (ERP).
- Managed team utilizing agile methodology.

Software Engineer (Full-time)
November 2016 - Present

Dynamic Solution Innovators Ltd.

- Designed and developed critical software programs for clients.
- Contributed greatly to increases in code quality and productivity by following Test/Behavior Driven Development, Refactoring and Agile Estimation and Planning.
- Participated in decision-making areas beyond programming such as product development.
- Researched best practices to share with fellow software team members
- Developed using these languages, tools, and related technologies: Java, Android, Javascript, Node.js, Hapi.js, React.js, Next.js, Redux.js, HTML, CSS, Styled Component, Flexbox, Media Query, MySQL, SQLite, MongoDB.

Software Engineer (Part-time)
April 2019 - May 2019

Twisker LLC, a New York corporation

- Worked on a software program which is an Document Editing Service (Dropbox Paper) with version control (GitHub).
- Followed agile method.
- Implemented best practices to share with fellow software team members.
- Developed using these languages, tools, and related technologies: Node.js, React.js, HTML, CSS, SCSS. Webpack, MongoDB

Junior Software Engineer
September 2016 - November 2016

Dcastalia Limited

- Developed projects included a digital system for education purposes where two Android application for teacher and student where teacher can create question sets and give it to the students, teacher can create groups of students for exam and teacher can watch of individual student what they are doing in the phone.
- Maintained/updated/upgraded existing Android applications.
- Followed the best practices like MVP software design pattern, TDD software development process, Agile software development approach.
- Developed using these languages, tools, and related technologies: Java, Android
- Used latest technology in development like Dagger (DI), Room, Retrofit, RXJava, RXAndroid

Junior Software Engineer   October 2015 - August 2016

AB Software Limited

- Designed and developed a restaurant food review application using PHP for backend and Java, Android for frontend that user can find nearby restaurant, find review of the restaurant, location of the restaurant and many more.

Junior Web Developer (Intern)   November 2014 - January 2016

Aparajito Enabler Limited

- Developed and modified websites, from layout to function for company own initiatives. Strive to create visually appealing sites that feature user-friendly design and clear navigation.
- Developed the client facing web application for Banglalink Priyojon using PHP, HTML, CSS

Skills

Languages

- Java
- JavaScript (Node.js)

Frameworks

- Android
- HapiJS
- NestJS
- AngularJS
- ReactJS
- NextJS

Database Management

- MySQL
- PostgreSQL
- SQLite
- MongoDB
- ORM (Room, SequilizeJS, PrismaJS, Mongoose)

Cloud-Based Technologies

- Docker, Docker Compose
- Firebase (Push notification)
- GCP (Map)
- DNS (Cloudflare)

Tools

- Android Studio
- MS VS Code

Team & Agile Collaboration

- TDD
- Code review
- Collaboration
- Communication
- Planning and estimation
- Agile development practices

Interests

Home Automation, Robotics, Artificial Intelligence, Video Games, Traveling

Projects

SSF App
May 01, 2021 - Present

Dynamic Solution Innovators Ltd.

Started working as a team lead of an already formed team. Design audio/video calling mechanism using a free opensource calling library.

drobboo.com
December 2020 - Present

Ahsan Technologies Ltd.

Designed the whole system and managed the team. Followed microservice architecture consist of 4 front-end based on react.js and 3 back-end service based on hapi.js. Also designed the deployment and web services as well.

Tapp Water App (TAPP-BDP)
May 07, 2020 - Present

TU Delft, The Netherlands

Two android mobile app solution for communication between water service provider and consumer. As well as data administration web app for water system organization. This solution made for the people live in the rural areas. Programming language uses java (android) and php (laravel). My role here software engineer (android) and team lead.

bKash Business App (Agent App)
February 25, 2020 - April 21, 2021

bKash Ltd.

Revamp the bkash business app AKA agent app. Using java as language on android framework.

OpenCRVS
June 2019 - January 2020

Dynamic Solution Innovators Ltd.

A global solution for civil registration. Making a system to ensure that every individual on the planet is recognized, protected and provided for from birth. Built a platform that does all the hard work for civil registration.

Using the latest and top-notch JS libraries. Such as Hapi, GraphQL, React, Redux, StyledComponents and many more. Following best practices in JS web development.

https://www.opencrvs.org/

REAMO
June 2018 - May 2019

Dynamic Solution Innovators Ltd.

REAMO is a startup for real estate management.

Developed the system is based on Node.js using Hapi for API framework. Developed the customer facing web app using React.js, Next.js, Redux.js and many libraries and for styling and design used Styled-Components, FlexBox, Formik with Yup. Developed and lead the customer facing Android app where followed the best practices as of structure like MVP. Retrofit for remote data fetching. Room for local data fetching. Developed the admin facing panel which is a web application using Java, Spring Boot, Hibernate and MySQL as database.

Twisker
April 2019 - May 2019

Twisker, LLC

A software program which is an Document Editing Service (like Dropbox Paper) with version control (like GitHub). The back-end system is based on GraphQL server in Node.js with Apollo Server. The customer facing web app Developed using Node.js, React.js, HTML, CSS, MongoDB.

Olwel

Dynamic Solution Innovators Ltd.

July 2017 - December 2018

Olwel is an innovative startup that connects patients to their nearest doctors who would visit the patient at their house.

Developed the Android apps and redesigned the both app one for patient and another for doctor. Technology stacks are Java, Android things for frontend and the backend on Node.js, using Hapi.js as framework. The NoSQL database RethinkDB is used for storage. Heavy use of WebSocket. The operator frontend is an Electron based app written with React, Redux.

SocialCam

Dynamic Solution Innovators Ltd.

November 2016 - June 2017

SocialCam is an innovative app that facilitates people to share images in certain location within range and within saved contact.

Developed the android app in Java using Firebase SDK for store images and push notification. Developed backend in Java using Jersey as the API framework.

সঞ্চয় - Money Tracker

Personal

May 2017 - December 2017

Shonchoy an Android application for people to keep track of money in daily life.

Developed the android app using Java, Android as Framework. Developed the backend using PHP.

AUST Routine Automation

Ahsanullah University of Science And Technology

July 2015 - June 2016

A windows desktop application that automate the routine management of AUST using C# as language and MySQL for local storage.

Get Menu Card

AB Software Limited

October 2015 - June 2016

An android app that facilitates people to find restaurant menu card, search nearby restaurants.

Designed and developed in Java, Android. Used volley for fetching data from cloud server.

Karbar - An eCommerce Website

Aparajito Enabler Limited

January 2015 - January 2016

Designed and recreated a eCommerce web app using PHP for server side programming and JavaScript using JQuery framework for client side interactive things, HTML, CSS, Bootstrap for UI styling.

Shasthjito - A Health Care Service

Aparajito Enabler Limited

November 2014 - January 2016

Designed and recreated a web app for medical services using PHP for server side programming and JavaScript using JQuery framework for client side interactive things, HTML, CSS, Bootstrap for UI styling.

Traffic Buddy

Play IT

October 2014 - November 2014

Designed and Developed an android app that facilitates people to know the recent possible condition of street by sharing pin point on map. Using java as language, Google Map SDK for mapping. Used volley for service to get data from REST API. Used Shared Preference for keep session as user credentials.

References

D.M. Anisuzzaman

Assistant Professor (On leave), AUST, Dhaka

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