Mubtasim Mahmud

Full Stack Developer

Experienced in a variety of web technologies. Have a proven track record of being able to learn a new tech stack on the job and become productive with it in short order. Accustomed to working in self-organising teams that follow agile development practices.

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🌐 mub2332.github.io/portfolio

⌨ github.com/mub2332

WORK EXPERIENCE

Full Stack Developer
Monash University

01/2020 – Present
Worked as part of the mobile capability team. Responsible for the backend of the mobile app and the frontend for a companion web app

Achievements/Tasks

- Tech stack: Firebase, Google Cloud Platform, Node.js, React, SCSS
- Optimised database design to reduce costs and increase performance of the mobile app
- Implemented business logic using serverless cloud functions
- Set up a CI/CD pipeline to automate the workflow and speed up productivity
- Worked on an authoring console (SPA) for various departments at Monash to provide curated content to users of the mobile app
- Used Agile practices in accordance with the SAFe framework

Full Stack Developer
Monash University

12/2019 – 04/2020
Worked on MonQA, a Q&A platform that used the pool of answered questions to attempt to automatically answer common student queries

Achievements/Tasks

- Tech stack: React, Redux, Node.js, MongoDB, Mongoose, AWS
- Implemented domain-restricted authentication and authorization using OAuth 2.0 and SSO
- Designed database structure and models
- Implemented frontend state management architecture
- Created UI components

EDUCATION

Bachelor of Software Engineering (Honors)
Monash University

06/2016 – 06/2020   *80.768 WAM*
Awards

- FIT IBL Placement Scholarship
- FIT Summer Vacation Scholarship

PERSONAL PROJECTS

Glipher
- https://github.com/mub2332/glipher
- A chrome extension to create animated GIFs from sections of YouTube videos
- Uses jQuery and AWS Serverless

Monash HWA Calculator
- https://github.com/mub2332/monash-hwa-calculator
- A chrome extension that calculates the honors weighted average mark when the user open their academic record on WES
- Uses jQuery

Seraph
- https://github.com/mub2332/Seraph
- An iOS app that sends voice controlled SOS messages to a list of emergency contacts
- Uses SiriKit and geolocation APIs

Honors Project Manager
- https://github.com/mub2332/FIT-Honors-Monash
- A website that lets students submit preferences for honors projects. The honors coordinator has an admin login that lets them allocate students to projects according to their preferences
- Uses Angular and Spring Boot

SKILLS

Frontend
HTML, CSS, SCSS, JavaScript, jQuery, React, Redux, Gatsby, Angular, Responsive Design

Backend
Node.js, Express.js, Spring Boot, Java, Ruby on Rails, Python, Django

Cloud
Google Cloud Platform, Firebase, AWS, MongoDB Atlas

Databases
MySQL, PostgreSQL, MongoDB, Cloud Firestore

ORMs
Mongoose, Sequelize

DevOps
Docker, Kubernetes

Tools
VS Code, Git, Confluence, Jira, Trello

Other
GraphQL, REST, Microservices