

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.

✉ mubtasimmahmud20@gmail.com

📍 Melbourne, Australia

in linkedin.com/in/mubtasim-mahmud-7b426318b

📞 0468645414

🌐 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 a mobile app meant to scale to over 100,000 users 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
- Created migration scripts to coordinate changes across different environments
- Worked on an authoring console (SPA) for various departments at Monash to provide curated content to users of the mobile app
- Implemented automated UI tests using Gwen, a BDD tool based on Selenium and Cucumber
- 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 via a chat-based interface

Achievements/Tasks

- Tech stack: React, Redux, Node.js, Express.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 Monash University

06/2016 – 06/2020

80.768 WAM, 84.646 HWA

Awards

- Graduated with first class honors
- 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
- Tech stack: jQuery, AWS Lambda, Amazon S3, API Gateway

Monash HWA Calculator

- <https://github.com/mub2332/monash-hwa-calculator>
- A chrome extension that calculates the honors weighted average mark when the user opens their academic record on WES
- Tech stack: jQuery

Seraph

- <https://github.com/mub2332/Seraph>
- An iOS app that sends voice controlled SOS messages to a list of emergency contacts
- Tech stack: Swift, SiriKit

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
- Tech stack: Angular, Spring Boot

SKILLS

Frontend

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

Backend

Node.js, Express.js, Java, Spring Boot, Python, Django

Cloud

GCP, Firebase, AWS, MongoDB Atlas

Databases

PostgreSQL, MongoDB, Cloud Firestore

ORMs

Mongoose, Sequelize

DevOps

Docker, Kubernetes

Tools

VS Code, Git, Confluence, Jira, Trello

Other

GraphQL, REST, Microservices