Ferdy Macleod
Full-Stack Devloper

Contact:

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Tech Stack:

JAVASCRIPT	TYPESCRIPT	PYTHON	C++
REACT	EXPRRSS	NODEJS	MONGODB
ANGULAR	REDUX	AXIOS	PASSPORTJS
AWS LAMBDA/IOT/ GREENGRASS	GITLAB CI	VERSION CONTROL	DOCKER
RUBY	RAILS	PSQL	MATEIRAL-UI
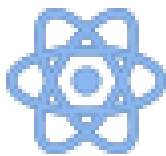
Profile

MERN full-stack developer, I have also have experience with IOT and AWS deployment. I pride myself on how hard I push myself to learn asu much as possible everyda. I genuinely love development and the problem-solving satisfaction it brings.

Projects

Developer Portfolio
Mongodb | ExpressJS | React | NodeJS

- Designed a web portfolio using figma
- Built, implemented and deployed my web portfolio using MERN stack

Basic ToDoList App
Mongodb | ExpressJS | React | NodeJS

- Quickly built a ToDo List User Interface using React + Material Ui Framework
- Built a NodeJS backend API with express and deployed to heroku, this is connected to a mongoDB database
- Deployed the frontend with netlify continuos deployment

SmarthomeDashboard
Mongodb | ExpressJS | React | NodeJS
C++ | Docker

- Started by creating a "smarthome device", a RGB SaltLamp, coded in C++
- I created a nodeJS API that communicates with the lamp via MQTT
- This is all controlled from the React frontend which uses Material-UI
- In order to decrease latency and increase reliability I dockerized the API and frontend and deployed them to my home server

IKEA Shift Scheduler
Mongodb | ExpressJS | React | NodeJS

- Built and implemented a shift scheduling tool for IKEA
- Created business logic to assign shifts in the most effeceint way, saving manager time
- Parsed a schedule of shifts in an automated way to create a shift schedule

Experience:

Nukon   **01/20 - 03/20**
Internship

In 1 month I learned and implented a continuous integration pipeline, following that I learnt the basics of serverless architecture and how to deploy scalable IoT solutions. I also got experience with: Docker, Angular, AWS deployment, Typescript

CoderAcademy   **08/19 - 02/20**
Student

During this course I learnt many web technologies but my tool of choice is typically MERN stack, during the course I completed many hands-on projects and got the chance to ask some great mentors as many questions as I wanted!

Education:

CoderAcademy
Diploma of Information Technology

Windaroo Valley High School
Cert II Business
QCE

Community

- HealthHack 2019
- VR Hackathon
- ARC Hardware Startup Weekend Hackathon

IOT Edge Application
Mongodb | ExpressJS | Angular | NodeJS
AWS Greengrass | AWS Lambda | AWS SAM

- Learned AWS Greengrass and how to deploy IOT applications in a scalable way
- Created an application that would configure itself in an automated way, so that the user did not have too setup anything
- Implemented business logic that would connect to an OPCUA server in an automated way and then forward the requests via MQTT

Feel free to ask me about side-projects I'm working on!