

Moritz Hauptmann

Full Stack & Front End Developer

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Portfolio: moritz.vercel.app

INTRODUCTION

As a computer enthusiast from a young age, I've always been drawn to programming languages and their potential to transform the world. In high school, I began exploring programming languages like Java and Python, and my love for coding only grew stronger. During my studies at RMIT, I became particularly fascinated by JavaScript and the many frameworks that have emerged around it. From React to Next.js, I've immersed myself in the world of JavaScript frameworks, constantly seeking to deepen my knowledge and hone my skills. I'm eager to leverage this passion and expertise in a new role and continue to grow as a software developer.

AREAS OF EXPERTISE

- JavaScript / Typescript
- HTML
- CSS / TailwindCSS
- React
- Next.js / Vite
- GraphQL / Apollo
- Python
- Java
- SQL
- Jest
- Prisma / Sequelize
- DynamoDB
- Docker
- Git
- CircleCI / GitLab CI
- Linux
- Agile Methodologies
- AWS / Serverless

PROFESSIONAL EXPERIENCE

Flintu, South Yarra, VIC

November 2021 – Present

Software / Firmware Developer

Flintu is a start-up company, which develops innovative consumer devices to keep our devices charged and connected. Responsibilities and key achievements have included:

- Work during a 2 Month Internship has led to employment at Flintu
- Developing firmware (C) for an MCU
- Developing a cross-platform desktop application (C#, Python) to connect to the currently in development consumer device of a startup company and display real time data from the device to the consumer

Aftershock, West Melbourne, VIC

October 2018 – Present

Senior PC Technician / Help desk Technician

Aftershock is a custom computer and laptop company, which creates high performing computers for games, professionals and enthusiasts. Helped Aftershock with technical expertise as first employee to grow from a small business to a medium sized business. Currently assisting in any technical department of the business, that requires advanced problem solving. My responsibilities include:

- Building Custom Computers, Laptops, Liquid cooled Computers
- Customer service and repair of hardware and software issues of their computer

INDUSTRY PLACEMENT

Studio Specta, Melbourne, VIC

February 2022 – June 2022

Software / Mobile Developer

The placement provided me with valuable industry experience in JavaScript, related frameworks and team collaboration skills using scrum and agile methodologies. The Project was to create an e-commerce phone app, web app and separate admin portal. My key responsibilities and achievements include:

- Built CI/CD pipeline with automated unit and integration testing, which improved productivity of the team by 60%
- Implemented features: checkout, payment and discount-system for the phone app, web app and admin portal of the ecommerce app (React, React Native and Node.js)

EDUCATION

Bachelor of Computer Science with Distinction

RMIT University, Melbourne, VIC

Recipient of Distinction title for Excellence in Graduate Coursework Study

Studying with an interest in web, cloud and artificial intelligence technology.

PORTFOLIO

See my projects live or on GitHub from my portfolio at: moritz.vercel.app

PROJECTS

Chat App

Full Stack Web Application with Next.js Frontend and GraphQL API

Next.js, Typescript, TailwindCSS, GraphQL, Prisma, Postgress Database

- Real time chat over WebSocket's implemented with GraphQL subscriptions
- Includes group chat as well as conversation management features (e.g. adding, deleting conversation Participants, leaving a group chat and deleting a conversation)

Blogging Full Stack Web Application

Full Stack Web Application with React Frontend and Express.js REST API

React, Node.js, Express.js, MySQL Database, Sequelize ORM

- Blogging website with user profile creation and update functionality
- Creating Blogs inside the browser with Image embedding and text formatting options
- Commenting on blogs with reactions and reply functionality

Library Management System

Full Stack Web Application with React Frontend and Java Microservice Backend

React, Material Design, Jest, Java, Spring Boot, H2 Database, Jira, CircleCI, AWS

- Led a team of four in utilizing Scrum, Agile, and Git Flow best practices for project management on Jira and GitHub
- Customers can rent books online while staff can keep track of borrowed books
- Project hosted on AWS with CI/CD pipeline and 80% coverage with unit and integration tests

Pintrest Clone Cloud Application

Cloud-native application with React Frontend, Auth0 authentication, using multiple services on AWS
React, Node.js, Auth0, Serverless, AWS

- Platform to upload pictures, view pictures of others and write comments on posts
- Auth0 authentication integrates social media authentication with for example a google account

LIDAR Image Classification AI

Deep Convolutional Neural Network build with TensorFlow and data set of LIDAR scanned objects

- AI able to classify between 20 different objects (e.g. table, shelf, cabinet, ...)
- Best performing model of the postgraduate deep learning course with 93% accuracy

Meme Classification AI

Custom deep learning model build on top of TensorFlow

- Official AI competition task: SemEval 2021 Task 3 international deep learning competition task 3
- Classification of 22 labels for memes collected from Facebook of the President of USA election in 2020 (e.g. Loaded Language, Name calling/Labeling)