

Muhammad Salmaan Nagoormira

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EDUCATION

RMIT University, Melbourne

2022-2024

Bachelor of Computer Science with Distinction – 3.2/4.0 GPA

Certifications: [AWS Cloud Foundations](#), [Pre-Security Certificate](#)

SKILLS

Frameworks: ReactJS, NodeJS, FastAPI, AWS Cloud Services, SQLModel, Spring Boot, Flask, Bootstrap, Sequelize, Express

Programming Languages: Python, Java, JavaScript, HTML/CSS, C++, SQL, Kotlin, Rust

PROJECTS

Web Browser Extensions

- Developed web browser extensions using JavaScript and HTML/CSS to mobilise standard desktop wallet for convenience.
- Created project as an open-source project to allow other cryptocurrency projects to mobilise their desktop wallets.
- Received 7 stars and has 10 forks and over 500+ active users on the chrome web store.

Android Cryptocurrency Miner

- Developed Android app with Kotlin and C++ so Android phones can mine cryptocurrencies as opposed to using computers.
- Created project as an open-source project so that other cryptocurrencies can use the code as a reference for their apps.
- Received 4 stars and has 5 forks, gaining 200+ downloads and 4.5-star rating on the Google App store.

Price Comparison Web store (RMIT)

- Collaborated with a group of 6 students, following the Agile SCRUM model, to build a full-stack price comparison website using SpringBoot and ReactJS under the microservices architecture.
- Created user stories, SRS, ERD, and designed, implemented and dockerised MySQL database for the website backend.
- Successfully deployed and hosted the website on a public domain using a Docker environment hosted on AWS cloud.

Minecraft Man-in-the-Middle Attack Prevention (RMIT)

- Secured communication between Minecraft server and MCPI client using a CCA-secure protocol to prevent packet sniffing.
- Modified Minecraft Server files and MCPI library by implementing RSA encryption and SHA256-HMAC authentication.
- Successfully demonstrated implementation secureness using Burp Suite by attacking the connection using MITM attacks.

RELEVANT EXPERIENCE

Freight Cyber

Melbourne, AU

Junior Software Engineer – Onsite

Nov 2024 – Present

- Developing responsive web applications using ReactJS and Python backend services, expanding the FCX platform from mobile-first to full-stack web solutions.
- Built and maintained APIs using NodeJS, Sequelize and Express for both mobile and web applications, ensuring seamless communication across platforms.
- Previously developed mobile application features using Java/Kotlin following MVVM architecture, gaining experience across the full technology stack.
- Deployed applications to AWS EC2 using GitHub CI/CD workflows and AWS secret manager, managing both web and mobile deployment pipelines.

CodePillow

Seoul, South Korea

Junior Python Developer - Remote

Dec 2021 – Feb 2023

- Built backend for a released NFT game based in South Korea, hosted by a Python API using FastAPI and SQLModel.
- Gained 580 active users, with over 1 million games played and 9 thousand NFTs issued.
- Connected local node to a backend with database support for exploring blockchain, built with FastAPI and SQLModel.
- Gained over 1000+ views and had more than 100 active users per day.

Upwork Australia

Melbourne, AU

Freelancer – Remote

Aug 2021 – Sep 2021

- Freelance work involved building a telegram bot to prevent spam in a channel. Built using Telegram JS API and SQLite database, preventing over 100 spammers from advertising malicious links.
- Kept constant communication with the owner of the channel to ensure that the requirements are met.

Centralex Exchange

Hong Kong, China

Freelancer – Remote

Nov 2020

- Built a verification bot for a discord server to prevent spam using Discord.py and a SQLite database. Blocked 300+ bot accounts from flooding the server.
- Kept constant communication with the owner of the channel to ensure that the requirements are met.

INTERESTS

Photography, Cars, PC building, PC Gaming, Lego, Gym, Drawing, Rubik's Cube