Muhammad Salmaan Nagoormira

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EDUCATION

RMIT University, Melbourne

Bachelor of Computer Science with Distinction – 3.2/4.0 GPA   *2022-2024*

SKILLS

Frameworks: FastAPI, SQLModel, SpringBoot, Flask, AWS Cloud Services, Bootstrap, ReactJS, NodeJS, Sequelize, Express
Programming Languages: Python, Java, JavaScript, HTML/CSS, C++, SQL, Kotlin, Rust
Architectures: MVVM, MVC, MERN, Microservices
Certifications: AWS Cloud Foundations

PROJECTS

Web Browser Extensions

- Developed web browser extensions using JavaScript and HTML/CSS to mobilise standard desktop wallet for convenience.
- Created project as an opensource 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 webstore.

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 opensource 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 Webstore (RMIT)

- Built a price comparison website from an interview with product owner using Agile model with a group of 6 students.
- Created user stories, SRS, ERD, and designed and implemented MySQL database for the website backend.
- Successfully deployed and hosted website on 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 BurpSuite by attacking the connection using MITM attacks.

RELEVANT EXPERIENCE PLACEMENTS

Freight Cyber   **Melbourne, AU**
Junior Software Engineer – Onsite   *Nov 2024 – Present*

- Integrated and tested APIs for the FCX Drive mobile application using NodeJS, Sequelize and Express, allowing for seemless and fast communication between the application and the backend server.
- Deployed REST API server to AWS EC2 instance using Github CI/CD workflows and AWS secret manager, ensuring that deployments are smooth and seemless while securely storing and retrieving API keys.
- Used Java/Kotlin to integrate APIs and develop new, responsive and user-friendly pages for the FCX Drive application while following the MVVM architecture to ensure coherent and readable code. Automated deployment using Firebase and CI/CD.
- Worked with client using the Agile methodology to ensure that app requirements are met and up to standard. Engaged in daily standups with entire team to keep track of issues and blockers to establish issue priority.

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 an 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