

Matthew Immanuel

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Education

Sydney, Australia

The University of New South Wales

December 2020

Bachelor of Science in Computer Science (Security Engineering)

WAM: 79.364 (Distinction)

Work Experience

Software Engineer at Woolworths Group (WooliesX)

Apr 2020 - Present

- Works on CI and CD based on Azure platform
- Support programming changes during quality assurance, user acceptance testing and post implementation to ensure integrity of features
- Involved with the security team, fixes production issue from penetration testing reports
- Discovered a XSS vulnerability in Woolworths chatbot

Frontend engineer (Lead) at Digihealth Innovations

Oct 2019 - Mar 2020

- Translating UI/UX designs specifications into an Angular module based SPA.
- Developing the client-side logic to interact with UI or Restful APIs.
(Angular 4, HTML5 , CSS, Typescript, OO Javascript, ngx-bootstrap, Jenkins)

Frontend engineer at Buana.net

July 2019 - Oct 2019

- Worked with multiple clients using (HTML/CSS,PHP, ReactJS with GatsbyJS)

Freelance Penetration Tester

July 2019 - Oct 2019

- Discovered a SQL Injection and XSS vulnerability on a big Indonesian florist company, gaining access to their database

Skills

Languages : Python, Java, Javascript, C, HTML, CSS, SQL, BASH, Perl, PHP, Dart

Data Technology : MySQL, PostgreSQL

Operating System : GNU/Linux, OSX, Windows, Kali Linux

Development Tools : Git, Vim, VisualStudio, Maven, Netbeans, Eclipse, Jenkins

Frameworks : SQLAlchemy, Flask , Django, React.JS, Angular.JS, NodeJS, React Native, Flutter

Software/Tools : BurpSuite, DirBuster, OWASP, Nmap, Social Engineering Toolkit (SET), SQLmap, hydra

Recent Projects

Spotify2.0

A Website built that enabled listeners to create their own playlist, search and listen to podcasts, and subscribe to a podcast. Built using the MERN (MongoDB, ExpressJS, React-Redux, Node) stack.

https://github.com/uns-w-cse-capstone-project/capstone-project-comp3900-f13a-405_found

New Personal Website

Personal website built using Jekyll. <https://idmatt.com>

HackTheBox web challenges write-ups

Writing detailed write-ups on web challenges CTF while also attempting to solve it. (<https://www.tumblr.com/blog/view/mattimmanuel>)

Sedit

The SPA front-end of a simple social media site similar to Reddit. Interacts with a ready-made API and uses extensive JavaScript and CSS to provide a sleek user interface.

Medisoft Healthcare

Worked in a team of 4 to build a python web application designed to help patients (users) find the nearest healthcare center as well as practitioners.
<https://github.com/mattimmanuel01/Medisoft-HealthCareCentre>

Online Portofolio

Built a web portofolio using HTML/CSS3 combined with bootstrap4. Some are written in javascript using jquery library.
<https://mattimmanuel01.github.io>

Travelolo

A web application that is created during facebook hackathon in 24 hours. This web application is intended for travelers traveling to a specific location, travelers will get the latest news on outbreaks, events and weather predictions. This web application uses API from various sources i.e. google news, open weather and more to ensure accurate data.
<https://github.com/mattimmanuel01/FBhack>

Activities / Certifications

AWS Technical Essentials Day

First Year Coding Competition CSESOC UNSW

Competed in a team of two and achieved top 10.

Indonesian Night Market Logistics

Helped tenants to build their food stalls and provided them with the equipments they need.

Facebook Hackathon

Built a web application in Python, Flask and Django as well as integrating multiple APIs

MERN Stack Front To Back: Full Stack React, Redux & Node.js

<https://www.udemy.com/certificate/UC-fe0df271-26e9-478f-9485-4a17d067ce5d/>