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ABOUT ME

I am a mechanical engineering graduate with a passion for technology and simple, elegant solutions. I enjoy being challenged and mentally stimulated through my interaction with people who have developed skills in the areas that I am interested in. I thrive in a team environment and am always keen to learn as much as I can.

EDUCATION

University of the Witwatersrand
2014 – 2018

BSc Mechanical Engineering

De La Salle Holy Cross College
2009 – 2013

NSC Bachelor's Degree

INTERESTS AND HOBBIES

- Playing Guitar
- Formula 1
- Cycling
- Technology
- Automation
- Video Games

DEVIN AZZIE

Secure Coding Intern

WORK EXPERIENCE

NTT Secure Coding Intern

Dimension Data/ NTT

2019–Present

I have been a secure coding intern based out of Dimension Data Security, and later on Britehouse, for the last 11 months and during my time at Dimension Data I have been exposed to a wide range of different projects and experiences together with the team of 3 other secure coding interns.

Our first major project was creating a Cybersecurity Control learning tool called Dimension Data Dash which explains at a high level what each security control is, why it is important, and what the risks of not having it implemented are. This tool will be used to help people new to cybersecurity learn about the controls in a faster manner.

I participated in Hackfest 2019.1 and was part of the Dimension Data Glance team which went on to be one of the winning products of the event. Dimension Data Glance is a web application which will streamline the process of logging support tickets by automating most of the data capturing portion of the process through scanning a QR code in the affected meeting room. This project is currently in development with the Glance team and Building_20.

I am currently on rotation in Britehouse at Dimension Data and have worked alongside the Brithouse 2.0 and Britehouse IW graduates on their Graduate project called Justin Time which is a Timesheet Analytics Dashboard tool used to extract data from the Britehouse SAP 4 Hana system and display it in easy to read, informative graphics to the end user. I have gained a lot of experience on the data extraction portion of this projects and have learned a great deal about SAP 4 Hana and how data is stored in the system as well as how to extract that data using Azure Data Factory Pipelines. Another project that was worked on while at Britehouse is the Doctrina Project which is a Website that displays each graduate in the business and gives information out their skillsets and areas in the business that they are interested in to help make placing them easier.

I have also gained valuable client-facing experience through shadowing Murray Calderwood as he performed Cybersecurity Advisory workshops for clients during his time as my mentor at Dimension Data Security.

KEY SKILLS

Technical skills:

- Python
- Basic Django knowledge
- Basic JavaScript
- HTML, CSS, and Bootstrap 4
- Microsoft Azure Data Factory
- MATLAB
- Simulink
- Microsoft Word
- Microsoft Excel
- Microsoft Powerpoint
- Have entry-level certifications in Cisco, Fortinet, McAfee, and Palo Alto Networks cybersecurity products
- Have completed basic Whitehat Security training towards a Secure Coding Certification
- Experienced with Autodesk Inventor design software and can generate engineering drawings
- Basic Computational Fluid Dynamics (CFD) knowledge

Non-technical skills:

- Quick thinker
- Problem-solving
- Good presentation skills and am a natural-sounding speaker
- Basic product development skills
- Knowledge of SCRUM and agile methodology practices
- Easily adaptable to changing environments
- Work well as part of a team as well as alone
- Good at breaking large problems down into smaller workable pieces

Technical Support Intern

J2 Software

2019–2019

For three months in 2019 I operated the support desk at J2 Software which is a small Cybersecurity focused company. I gained a basic understanding of what cybersecurity is and was exposed to many different types of security challenges to small businesses face. As a result I gained experience in client interaction and support, I learned how to use the Mimecast Admin portal to perform various tasks related to email security. I had to troubleshoot a lot of technical issues that clients were experiencing and helped prevent some phishing email attacks.

Vacation Work Student

Opti-Num Solutions

2016–2017

I was accepted into an 8-week vacation work program where we were tasked with designing and building an IOT controlled Water level controller system to maintain water levels in a mini reservoir. As a mechanical engineering student, working in pairs we designed an automatic water level control system using MATLAB products to design the water level controller and low-cost hardware to implement it. The entire system was first modeled and simulated using Simulink from MATLAB and then the controller was deployed to the low-cost hardware for real-life testing and demonstration.

CERTIFICATIONS

- Microsoft Azure Fundamentals AZ-900 Certified
- Cisco Firejumper Academy Network Security Cybersecurity Systems Engineer Stage 1 and Stage 2 in the following areas: Advanced Threat Cybersecurity, Cloud Web and Email Cybersecurity, Enforcement and Visibility, and Network Security
- Fortinet NSE1, NSE2, and NSE3
- Palo Alto Networks Accredited Sales Executive (ASE)
- McAfee MVision Cloud sales enablement
- Amazon Web Services Cloud Practitioner and Security Fundamentals
- HIPAA Compliant
- GDPR Compliant

TRAINING

- Microsoft Azure eLearning courses: Design for security in Azure, Secure your Azure Storage account, Authenticate browser-based apps with Azure App Services, Secure your Azure resources with role-based access control, Secure your Azure SQL Database.
- Whitehat Certified Secure Developer Online Training
- CompTIA Security+ Cybrary Course
- SCRUM Training chaired by Nathan Van Den Berg and Ilzé van As (Britehouse)
- Pluralsight Online courses:
 - Python: Getting Started
 - Python Fundamentals
 - Django: Getting Started
 - HTML, CSS, and JavaScript: The Big Picture
 - Introduction to CSS
 - JavaScript: Getting Started
- TalkPython - Learn to Code 2019: Python Jumpstart by Building 10 Apps