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OBJECTIVE

This is my general CV From my website.

EDUCATION

I'm currently in my third year - studying for a Bachelor of Science in Ethical Hacking at Abertay University.

SKILLS & ABILITIES

Programming

- I am experienced with several technologies: Cyber security Concepts, Python, Typescript, C++, Dart, HTML, SCSS, MongoDB, Firebase, AWS, Azure, Angular, Flutter, Vue Js Nest Js, AD Pretesting and SQL injection, Sockets, WebRTC, Terraform.
- My Portfolio websites that show things that I've worked on can be found on my website and GitHub.

Social

- I am a very confident speaker when talking about my field of work with a passion. I can relate to most people during conversations, so I always have something to say to develop the conversation.
- I have experience in presenting my ideas to a group of people in a concise structure. Additionally, I've been in many situations where I needed to be good at persuading people to understand my thoughts. and adopt my solutions to problems.
- I am good at focusing on the positive aspects of a product or idea rather than dwelling on the negative qualities - focusing on finding a solution instead of being stuck on the problem.

Innovative

- I am always trying to come up with a way to improve on an issue or make something I see trendier or completely different. I like to mix and match designs and ideas together so that I can link the two trends together or create a completely new product entirely.
- This is another reason why I would be a great asset to the team as I approach problems from a different angle, perspective, and innovative standpoint.

Leadership

- In high school, I was a "Senior Prefect" which allowed me to take up responsibilities such as being involved in the Charity Committee, volunteering, and running school clubs. I help with an S2 Maths class weekly and offer 1:1 support for pupils (average class size 20). I also run and took leadership of the Coding Club every Monday during lunchtime. I taught S1s-S3s Students about programming in Scratch and Python, give them challenges and notified them of any new computing-based news and encouraged them to participate in online challenges such as GCHQ Cyber Discovery, Game Jams, and programming logic-based questions.
- Additionally, I have multiple experiences working in teams in start-up environments and keeping operations on track to reach the Deliverables that are promised in the start-up.

EXPERIENCE

532 Design – [Summer 2022 – Dec 2022]

Worked as an Infrastructure Developer on Cyber Security Contracts.

In this role, I Was Responsible for managing and setting up the Company's AWS Infrastructure as Code (IaC) with Terraform. Where I set up the followings; VPC, Availability Zones, Networking Security with Security Groups and ACL rules for both the public and Private Servers, EC2 instances with auto Scaling, application Load

balancer, Route53 and auto deployment with Code Deploy and Bitbucket Pipeline. I was also responsible for setting up S3 Buckets and RDS For the Companies application. I also worked on the Security aspects of the API server with the client application which was running symphony -> Unity. This was achieved by JWT Tokens and PlayFab integration along with an API Driver that I created for the unity C++ application That managed the Session.

QA Alpha Project – [Dec 2022 – ongoing]

Personal Work with Quantitative Analysis Strategies with Python and Data Analysis.

I have always been interested in The Financial market from a young age and have been learning and studying for my CFA 1 exam. To test my understanding and alpha strategies. I created a live Trading Bot that trades Commodity Securities at different timeframes and detects Alpha patterns in the market and applies appropriate risk management strategies and the ability to manage open positions to hedge positions. accumulation in supply and demand in the market. The Alphas that I created are based on Technical Indicators, Imbalance in Order Blocks, Volume, multi-timeframe analysis and market volume profile. I'm currently working on backtesting / live (with a paper account with Alpaca and Interactive Broker) Alphas and optimising the accuracy / Risk management strategy to include continuation trades.

Schoolink – [Late 2018 – ongoing]

Schooling platform that I founded

I'm the owner and head programmer of a tech start-up called "School Link LTD", a community-based educational analysis web application for schools. I was inspired to create the Schoolink application when the government introduced GDPR in late May 2018. I noticed that some of the applications that my school used were no longer allowed and that they didn't have some of the features that I would have loved to see in an inclusive schooling platform for students and teachers. We use AI data analysis techniques to identify students' weaknesses /strong points in their learning to generate a customised learning path for the student. Additionally, the application allows Companies that offer student programs to effectively publish and select the top students that complete the tasks and opts in me selected. I'm committed to growing and integrating Schoolink into schools in the UK. The technologies behind the application are as follows; Angular, Nest Js, Python, Neural networks, Nodejs and Firebase, WebRTC and more. You can find more information and the live website @ schoolink.uk.

Project Bissap – [Summer 2021 – ongoing]

A soft drink brand that I founded

I am also the Founder and Co-owner of "Project Bissap LTD" - A Hibiscus and Ginger based juice brand. I aim to promote cultural ingredients and support charities that focus on helping developing countries with education. This goes hand in hand with my personal goals for Schoolink too. As for the drink branding, I want to build it around experiences - we want people to feel good about themselves from the purchasing (knowing that they are also helping charities) to finishing the bottle (feeling awake and healthy from all the health benefits in the ingredients in the drink). I manage the company's operations, logistics and contracts with restaurants, cafes, and experiential-based organisations such as events. Despite this being a new growing venture, I've learnt a lot from event promotion and management to negotiating deals with restaurants/cafes and other business owners.

Footlocker – [October 1st, 2019 - September 11th, 2020]

Sales Associate

During my time with the Footlocker team, I've learnt to work effectively on a busy shop floor and developed my skill to provide exceeding customer experiences to build lasting customer relationships which increased sales. Our store received the top conversion and customer feedback award in 2020 for our district, additionally, the district manager recognised my efforts in building strong customer engagement and feedback

after conversions. I am proud and happy to take the same energy and work ethic forward into my next journey. I've enjoyed my time working at Footlocker and the people.

Internship at Royal Bank of Scotland – [June 24th, 2019 - July 26th, 2019]

Agile scrum master and Journey developer

I was successful in experiencing an Internship with RBS during the summer of my last year in high school through the Career Ready Program. I worked with Journey Developers and Agile Scrum Masters for the first month of my summer holidays at the Gogarburn HQ. In these roles, I was tasked with finding a solution to track and improve the team's output and the way data is visually presented. I made an Excel program that displays a form for the Scrum Master to input the End-of-Sprint results and auto-generate graphs of the data to allow the team to evaluate their performance in the sprint. I completed the program in 3 days using Visual Basic, which I had never used before, but I picked up relatively quickly. This shows my ability to adapt to difficult problems, take what I've already learnt and take the initiative towards achieving the best results. At the end of the internship, I presented a PowerPoint to the teams that I worked with discussing my experience and what I've achieved there during the month. The Internship has allowed me to further develop my communication, team working, presentation and organisational skills as I've had to balance my workload between my job and continuously learning. This experience is one of the reasons why I enjoy Economics, portfolio management and building automated tools.

Mobile Application – [During Summer 2020]

Kave Barber - Edinburgh

I had a client that wanted me to make an iOS and android app for their barber store and clothing brand. I developed both apps using; Flutter, which is a Dart Framework, the back-end architecture used Firebase (a non-SQL database) and Contentful (CMS- Content Management System) - which allowed the store manager to carry out all CRUD functionalities that were asked for, such as accepting bookings, managing hourly chair bookings cost and a barber's gallery. I tackled this challenge because I wanted to learn more about the new technology (at the time) and be able to build advanced components in a real application – which I would be responsible for deploying to the app stores. By completing the project, I would have presented my skills and ability in a real-world application.

Ethical Hacking – [2019]

GCHQ - Cyber Discovery

In my free time, I enjoyed working on projects and taking part in Cyber challenges online. Cyber Discovery was a program organised by GCHQ annually (ended 2020). I've got over 71% in their games section (which gets progressively challenging) at the start of 2020. I enjoyed the puzzles and the topics I learned (XSS, SQL injection and command injection), it allowed me to be more independent in the cybersecurity course in school. I was in the September program where there were only 50 of the top competitors across the UK taking part.

References

- References on request
- Projects and codebase can be found on my website (isaacdiaby.tech) or GitHub ([Isaac-diaby](https://github.com/Isaac-diaby))