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DEAN LOGAN

APPRENTICE TECHNOLOGY CONSULTANT

UNIVERSITY GRADES

Software Engineering with Digital Tech Partnership, BEng at Queen's University Belfast, 1st Class Honours (2020-2024)

- Stage 1 Grades:
  - Web Technologies – 83%
  - Programming – 88%
  - Software Design Principles – 89%
  - Databases – 87%
  - Fundamentals of Mathematics – 96%
  - Architecture & Networks – 84%
- Stage 2 Grades:
  - Professional & Transferable Skills – 83%
  - Service Oriented Programming – 83%
  - Software Engineering & Systems Development – 83%
  - Data Structures and Algorithms – 83%
  - Cyber Security Fundamentals – 83%
- Stage 3 Grades:
  - Secure Software Development – 81%
  - Malware Analysis – 78%
  - Software Development Practice – 66%
  - Concurrent Programming – 84%.
  - Software Engineering Enterprise Project – 71%.
  - Team-Based Software Innovation – 75%.
- Spent one year as a demonstrator mentoring 1st year students.
- Participated in various Hackathons including receiving Best in the education category for the "Hack the COVID 2020" hackathon and when I came first in the "Allstate CTF" Hackathon.
- 1st place in the Concurrent Programming Competition.

ABOUT ME

I am a recent Software Engineering graduated with first-class honours from Queen's University. While earning my degree I was part of PwC's Technology Degree Apprenticeship programming meaning that I worked as a technology consultant primarily in cloud computing and process automation with experience both in local government and the private financial service sector.

My technical expertise spans a diverse array of technologies, including Java, Python, and cloud platforms such as AWS, Azure and GCP. I am particularly interested in advancing my skills in concurrent programming languages like Go and Rust, aiming to enhance efficiency gains in software. Furthermore, I am consistently pursuing certifications such as the Microsoft Developer Associate (AZ-204) to further enhance my expertise in cloud computing.

Outside of my professional commitments, I am deeply engaged in the developer community, participating in events such as NIDC and hackathons. This involvement allows me to stay abreast of industry trends and collaborate with peers on innovative projects. My broader interests lie at the intersection of technology and business, with a keen enthusiasm for understanding financial systems and leveraging cloud computing for strategic advantage which grew within my time at PwC.

For more detailed information about myself you can visit my CV website here.

EXPERIENCES

I'm known for my strong creative problem-solving skills, demonstrated by my first-place achievement in the Allstate CTF hackathon, where I excelled in decrypting ciphers and solving complex challenges under time constraints which also demonstrated my ability to work in high paced environments. I've applied these abilities in various projects, including building an escape room website and working with Tomcat servers during my coursework at university.

While at university I completed the secure software development module which furthered my understanding of cyber security and risk assessment. In this module I had to write about different types of vulnerabilities and how these can be exploited and prevented/mitigated. This also furthered my report writing skills as we had to complete a Threat Modelling report, which helped me develop the ability to think critically and analyse code.

I thrive in high-paced environments, as evidenced by my active participation in hackathons, where quick decision-making is crucial to delivering solutions within tight time frames. Beyond my formal education, I'm passionate about learning new technologies and enhancing my personal development. I dedicate my spare time to earning certifications and expanding my capacity to rapidly grasp and adapt to new technologies.

Through these various certifications, I have developed a strong knowledge (and interest) surrounding cloud technologies and I'm eager to learn more about how these technologies can be used to drive innovation and enhance various services. My certification journey also led me to learning more about AI, specifically machine learning and how it can be used to provide a data-driven approach to problem solving.

HIGH SCHOOL

Belfast High School (2013-2020)

- A-Level Results:
  - A* in Electronics and Computer Science.
  - A in Mathematics.
- GCSE Results:
  - A* in the following: Computer Science, Electronics, Geography and Double Award Science.
  - A in Mathematics.
  - B in English Literature.
  - C in English Language and Religious Studies.
  - Level 2 in Understanding Business, Enterprise, Languages and Tourism.
- Senior Prefect and mentor.
- Member of the Robotics, Badminton, and cross-country clubs.

CERTIFICATIONS

Microsoft

- Azure Fundamentals (AZ-900)
- Azure Data Fundamentals (DP-900)
- Power Platform Fundamentals (PL-900)
- Security, Compliance, and Identity Fundamentals (SC-900)
- Azure AI Fundamentals (AI-900)

AWS

- Certified Cloud Practitioner (CLF-C02)

Freecodecamp

- Machine Learning with Python

PwC

- Digital Acumen Badge

Alteryx

- Alteryx Designer Core Certified

Celonis

- Certified to Build Action Flows
- Certified to Write PQL Queries
- Certified to Build Knowledge Models & Views
- Certified to Build Analyses
- Certified to Get Data Into the EMS
- Certified to Identify & Drive Opportunities
- Solution Creation Expert
- EMS Technical Expert

CHECK OUT MY WEBSITE FOR MORE INFORMATION ON EVERYTHING IN THIS CV.

JOB EXPERIENCE

Technology Consultant, PwC UK, Aug 2020 - Present

I contributed to establishing an AI and RPA Centre of Excellence (CoE) at North Lanarkshire Council (NLC), focusing on governance processes to improve efficiency and mitigate risk. Working closely with stakeholders, I defined the CoE's objectives, governance structure, and operational model, creating a strategic roadmap with milestones and success criteria. I conducted workshops to promote best practices and collaborated with the council. Moreover, I organised boot camps on Power Automate, Power Pages, Copilot Studio, and UiPath to upskill employees as citizen developers, fostering strong relationships across the council.

Following the establishment of the CoE, my team embarked on developing four chatbot Proof of Concepts (POCs) tailored for different civic services. My role involved integrating SAML authentication with Copilot chatbots and linking APIs to the council's "Submission Framework." This required frequent liaising between council members and the IT team to align requirements and implement optimal solutions. Additionally, I conducted training sessions and provided advisory services to the council on maintaining chatbots and automating processes effectively.

I played a pivotal role in developing the Cloud Cost Assurance (CCA) tool, with a specific focus on cost analysis for AWS compute services. This involved utilising AWS CloudWatch APIs, Gradle, and Java, while adhering to a Test-Driven Development (TDD) approach. The project adopted a Functional Programming paradigm to ensure efficient, parallelisable code, enhancing my logical and analytical skills as I optimised functions and evaluated alternative solutions.

Additionally, I shared knowledge by mentoring younger Technology Degree Apprentices (TDA) by leading workshops on Azure DevOps, Git, TDD, and JUnit testing. These activities further developed my communication and teamwork skills, building on previous mentoring roles during university and A-Levels.

I contributed to the 'Data Lab Importer' project, demonstrating strong problem-solving and analytical skills. The team utilised Google Apps Script to seamlessly import data from 'Data Lab' into Google Sheets. This involved executing API calls for data retrieval and using Google's Card Service for the UI, enabling users to select datasets, apply filters, and import data accurately. I adhered to company policies and procedures, ensuring the delivery of functional code that met user needs effectively.

During my time as an RPA developer and process mining analyst, I utilised UiPath and Celonis to streamline financial tasks, focusing on the client side. I worked closely with process owners, analysed event logs to create dashboards and visual process flows, and identified workflow inefficiencies. This role highlighted my problem-solving and analytical skills, as well as my ability to communicate technical concepts to both technical and non-technical clients. Most of the team members were based in South Africa, demonstrating my experience working in a global environment across international locations. This client-centric analysis allowed me to discern client needs effectively and prioritise requirements in the decision-making process.

I developed a Tech Delivery Workbench (TDW) for a client, integrating tools like Jira, Azure DevOps, Slack, GitHub, Jenkins, and Microsoft Project. This project demonstrated my understanding of the software development lifecycle and resulted in a PowerBI dashboard for effective project management.

Software Engineer (Work Experience Programme), PSNI, Aug 2019 – Aug 2019

During my engagement with the Sentinus IT Bursary Scheme, I effectively demonstrated my proficiency in strong written and verbal communication skills. My technical achievements included developing a Python-based facial recognition prototype, setting up a secure cloud storage system using Box, and designing a user-friendly GUI for a Box-hosted database. I also researched handwriting recognition. These projects highlighted my skills in Python, cloud technology, and UI/UX design. My collaboration with PSNI colleagues and Box representatives demonstrated my ability to work in teams and effectively communicate complex technical concepts to diverse audiences.