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EDUCATION

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Technological University Of the Shannon, **BSc Software Design (Predicted 1.1 GPA)****2022 – 2026**

- Relevant modules: Computational Mathematics; Object Orientation, Algorithms and Data Structures; databases

St Coleman's College, **leaving certificate: 441 points****2018 – 2022**Ballinrobe community school, **junior certificate****2015 – 2018**

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EXPERIENCE

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**Cloud Engineer Intern | Hewlett Packard Enterprise****10<sup>th</sup> March 2025 – 27<sup>th</sup> September 2025**

- Part of a planet-spanning Edge Security meta-team with teams from The USA and Brazil
- Worked with implementing the oauth flows, service identities, and token vending mechanisms.
- Worked with The Go Programming Language and REST API'S to in a multi-cluster, microservices environment
- Managed **containerized applications** with **Docker** and **Kubernetes**, and Helmified deployments
- Designed and executed **unit, functional, and integration tests** (Café Testing) with **mocks** in both **Golang** and **Python** to ensure system robustness and code quality.
- Monitored our services and created dashboards using Humio, AWS CloudWatch, New Relic, and OpsRamp.
- Worked on creating **MCP** for creating and managing **service identities** across clusters.
- **CI/CD pipelines** for automated builds, testing, deployments, and **post-deployment flows**.
- Collaborated in an **Agile environment** using **Jira** for sprint planning and task tracking, and **GitHub** for version control, code reviews, and collaboration.

**Professional Car Detailer | Cool Waves****2017 – 2024**

- Scheduled appointments for clients and gathered their requirements to ensure appropriate equipment was available on the day.
- Ensured client requirements were met up to a high standard
- Assisted customers with queries and complaints
- Inspected finished vehicles to ensure client requirements were met to a high standard.

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PROJECTS

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**Delivery Management System**

- Led a team of 4 to develop a modular delivery management application using the Waterfall methodology.
- Built modules for customer management, order tracking, and invoice generation with MySQL integration.
- Designed a Command-Line Interface (CLI) for streamlined interactions and ensured reliability through extensive testing.
- Used GitHub for Version Control

**Gym Management System**

- Developed a robust management system using Python and OOP principles.
- Designed an intuitive GUI with PyQt for better user experience.
- Implemented real-time tracking of athlete performance using custom formulas.

**Motorbike and User Management System**

- Created a RESTful API with CRUD operations for motorbike and user management using PHP and Slim Framework.
- Leveraged PDO for secure database interactions and built a responsive interface with Bootstrap and DataTables.
- Ensured seamless data handling and robust error management.

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EXTRACURRICULARS

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**IBM Cloud Application Development Foundations Specialization**

- Learned cloud computing fundamentals, front-end (HTML, CSS, JS, React) and back-end (Node.js, Express) development.
- Gained experience in cloud-native practices: DevOps, CI/CD, and NoSQL (MongoDB).

**President of Islamic Society | TUS**

- Planned and hosted events to promote charities and create a strong community
- Organised meetings with the committee to plan and suggest ideas for future events and solve problems.
- Managed all social media platforms to ensure engagement and accessibility with all members of the society.

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SKILLS / INTERESTS

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**Industry:** Python, Java, HTML/CSS, Flask, JSON, JavaScript, SQL, Visual Studio, Azure, Unity, XML, PHP, Docker**Skills:** Agile methodology, OOP, planning, teamwork, Waterfall methodology, problem-solving**Sports:** powerlifting, weightlifting

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