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# RUSSELL J. MCINNES

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## EMPLOYMENT

**Junior Software Engineer - (DevOps)** — **University of Glasgow** — **January 2024 - Present**

- Specialized in automation technologies for teaching tools and educational software, improving the learning experience through streamlined technology integration.
- Responsible for writing tests for existing codes to ensure functionality and reliability, significantly reducing bugs and improving software quality.
- Develop web applications tailored for university needs, enhancing user interaction and accessibility across academic departments.

**System Analyst** — **University of Glasgow** — **August 2022 – January 2024**

- Managed both RHEL and Debian-based systems, ensuring high availability and security compliance across all server environments.
- Supervised a High-Performance Computing cluster utilizing SLURM job queuing software, which involved optimizing job scheduling and resource allocation to boost efficiency and user satisfaction.

**Catering/Porter** — **Queen Elizabeth University Hospital** — **March 2019 – August 2022**

- Developed robust customer service skills in a challenging, high-pressure environment, ensuring efficient operations and patient satisfaction.
- Demonstrated strong crisis management abilities by effectively navigating through critical situations, enhancing patient comfort and supporting hospital staff under stressful conditions.

## EDUCATION

**Glasgow** — **Glasgow Caledonian University** — **August 2023 – Present**

- Bachelor of Science in Software Engineering in Business (Honours)
- Starting 4th year in August, 2024

**Glasgow** — **Glasgow Clyde College** — **August 2020 – May 2022**

- Higher National Diploma (HND) in Software Development

## TECHNICAL EXPERIENCE

### Projects

- **Research Project Costing Tool (UoFG):** Utilizing Laravel, Python, HTML, and CSS, I developed a tool that enables academic staff to calculate the total costs of their research projects. This application significantly reduces the manual effort and time previously required, automating complex financial calculations to enhance project planning efficiency.
- **Virtualization Software (UoFG):** In collaboration with my technical lead, I piloted the adoption of OpenStack for our college's virtualization needs. Leveraging Ansible alongside OpenStack, we implemented a system that allows for automated configuration deployments, enabling users to effortlessly create and manage their own virtual machines.

### Languages and Technologies

- **Programming Languages**: PHP, Python, JavaScript, C# (OOP / PDO / Functional)
- **Automation Tools**: Ansible, Bash Scripting, Power Automate, Jenkins
- **Virtualization and Containerization Technologies**: OpenStack, Docker, Kubernetes
- **Web Development Stack**: HTML, CSS, Laravel, Django, React Native, MySQL