Cameron Smart

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PROFILE

Career-driven Software Engineer with experience delivering enterprise-scale solutions in the fintech sector, including predictive maintenance systems and global IoT deployments. Skilled in Python, C# .NET, cloud infrastructure (Azure, Kubernetes), and DevOps automation, with a proven ability to lead architecture designs and streamline development processes. PMI-CAPM certified. Strongly focused on collaboration, innovation, and continuous improvement. Actively volunteers to teach STEM in schools, serve as a STEM Youth Role Model, and contribute to diversity and inclusion initiatives – reflecting my commitment to using technology to create positive change.

SKILLS

- **Languages:** Python, C#, C++, JavaScript (React/NodeJS), PowerShell, Batch

- **DevOps & Cloud**: Azure, Kubernetes, CI/CD (GitHub Actions, Jenkins, Sonar), Docker

- **Tools & Processes:** Jira, Confluence, Git, Agile/Scrum, TDD, Architecture Design

- **Certifications**: PMI CAPM, MHFA Mental Health Champion

EXPERIENCE

SOFTWARE ENGINEER III, NCR ATLEOS – MAY 2025 - CURRENT, DUNDEE

- Continued service within the Smart Services team, expanding my responsibilities:

  - Co-ordinating with TeamViewer to deliver the future of ATM servicing using augmented reality to provide on-demand remote expert repair advice to customer engineers.

  - Driving industry adopted best practices in containerisation by migrating from virtual machines to an Azure managed Kubernetes cluster integrated with our CI/CD processes.

  - Rearchitecting and redeveloping our existing outdated systems from the ground up to best utilise cloud platforms, providing the opportunity to rewrite our existing python modules effectively using TDD.

SOFTWARE ENGINEER II, NCR ATLEOS – JANUARY 2025 - MAY 2025, DUNDEE

- Working in the Smart Services team. My main responsibilities include:

  - Delivering enterprise-grade python programs to perform analysis of event data provided by all NCR Atleos connected ATMs in order to perform preventative maintenance servicing.

  - Taking ownership of the teams systems architecture by performing a full systems architecture review and redesign.

  - Migrating the teams environment from an outdated locally hosted server to a cloud-based, CI/CD pipeline-driven infrastructure implementing proper source control, automated testing, static code analysis and automated deployments.

- My contributions to the company outwith my role include:

  - Volunteering in local Dundee area, teaching primary school children STEM. I am also a STEM Youth Role Model for the Small Piece Trust as part of their national *get into STEM* campaign.

  - I am a member of the NCR Atleos Dundee Diversity culture crew where we organise and host monthly informal educational sessions, with each month having a different subject; such as neurodiversity.

  - Completed Project Management training including the Project Management Institutes Certified Associate in Project Management (PMI CAPM).

SOFTWARE ENGINEER I, NCR ATLEOS – JULY 2023 - JANUARY 2025, DUNDEE

- Working in the Software Integration, Test Automation and OEM team. My main responsibilities included:
  - Developing the NCR Atleos IoT Enterprise OEM Windows image which is deployed on all NCR Atleos ATM's – over 285,000 ATM's globally.
  - Creating tools used for software integration and hardware test of new software components and hardware devices.
  - Deploying and maintaining our cloud solutions, including asset management, knowledge databases, data aggregation services and local IoT device management services on Microsoft Azure, using Azure Kubernetes.
  - Creating and maintaining the tools used by the Software Configuration Management team during quality assurance of software deliveries.
  - Resolving high priority customer escalated issues with our OEM Windows image, including liaising with banks' technology teams and Microsoft.
- I am an above and beyond employee, always looking for ways to improve our team and the quality of our product. I have taken initiative to make the following improvements:
  - Pioneered a development process to be used by the team to streamline processes and improve communication.
  - Refactored the build process of our OEM Windows Image from being a manual process carried out on a development laptop to a fully automated process, making use of GitHub workflows, Jenkins and dedicated build servers, saving 100's of development hours per year.
  - Standardised our lab environment / test process between our Lab in Dundee and our Lab in Hyderabad, India through creation a system that automated the bulk re-imaging and setup of lab ATM's.

SOFTWARE RESEARCH ASSISTANT, ABERTAY UNIVERSITY – NOV 2022 - JUNE 2023, DUNDEE

- Hired to create a gamified bug bounty application that encourages students to find bugs / vulnerabilities in University systems and create reports for system administrators.
- Selected for the role by previous lecturers based on my web development module results and my interest in creating meaningful computer interaction experiences.
- The end deliverable was created using React and Node.Js, making use of a MongoDB backend.
- This work will be included in a published research paper, hopefully by late 2024.
- This project was commissioned to explore how gamification can encourage users to interact with the system more frequently by implementing experience points, leaderboards, awards and social aspects.
- The role included presenting monthly updates to stakeholders.

EDUCATION

- BSc (Hons) Computing, Abertay University – Sept 2019 - May 2023, Dundee

AWARDS AND CERTIFICATIONS

- Project Management Institute Certified Associate in Project Management (PMI CAPM) – earned January 2025
- Project Management Institute Agile Certified Practitioner (PMI ACP) - expected July 2025