Ashraf Mawejje Kasibante

Graduate Software & Data Developer
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Summary

Software Engineering graduate with experience in C#, SQL Server, PHP, Python, and full-stack development. Delivered production-ready features such as Stripe/PayPal integrations and automated validation pipelines. Skilled in REST APIs, MVC frameworks, and Azure cloud services. Strong debugging experience and Agile collaboration using GitHub, Jira, and CI/CD workflows. Currently strengthening skills in C#/.NET, React, TypeScript, and data engineering tools.

Experience

IT & Web Development Intern – Chest Heart and Stroke Scotland
Jan 2025 – Present | Glasgow (Hybrid/Remote)

- Launched Stripe and PayPal upgrades, increasing successful transactions by 25%.
- Automated payment validation workflows, reducing manual entry by 40%.
- Queried and validated SQL Server datasets to produce financial and donor reports.
- Delivered the Memory Wall tribute system, used by 100+ donors in the first month.
- Resolved 15+ production issues, improving reliability and reducing support overhead.
- Collaborated in Agile sprints using GitHub, Jira, and REST-based integrations.

Skills

Languages: C#, SQL, Python, JavaScript, TypeScript, PHP, Java, C++
Frameworks: React, ASP.NET, Django, Laravel, MVC, REST APIs
Frontend: React, TypeScript, Tailwind CSS, HTML/CSS, jQuery
Data Tools: SQL Server, MySQL, Spark, PyTerrier, Pandas, NumPy
Cloud/DevOps: Azure, Git, CI/CD
Other: Unit Testing, API Integrations, Agile, Jira

Education

B.Sc. Computer Science
University of Glasgow
2021 – 2024
Achieved 2:2 classification

Projects

AI-Powered Document Ranker (Final Year Project)

- Integrated mT5 with BM25 using PyTerrier and Apache Spark.
- Improved retrieval accuracy by 18% and reduced training time by 30%.
- Processed 10,000+ queries in large-scale evaluation.

Conway's Game of Life Simulator

- Built Django + JavaScript simulation; optimised rendering for 10,000+ cells per update.

IoT Audio Classification – CENSIS Project

- Developed ESP32 tests and Python backend for real-time data streaming (10,000+ updates/s).
- Reduced debugging cycle time by 40%.

Certifications

- Python Programming (Udacity)
- Emergency First Aid (British Red Cross)

Interests

Data visualisation, LeetCode challenges, football, volleyball