

Henry K Adarkwa

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Technical Skills

Languages & Frameworks:	Python, Java, Spring boot, SQL, Type script, React Native.
Cloud & Infrastructure:	AWS, GCP, Docker, Microservices, Virtual Machines, Networking.
DevOps & Systems:	Git (CI/CD) , Linux (Bash) , Unix/MacOS, shell scripts, Windows.
Tools & Methodologies:	AI, Kanban, Trello, Obsidian.

Employment History

Software Engineer Cappgemini, London	2023 - Present
- Developed automated backend shell scripts to manage the flow of data from a GCP instance to a client side production server speeding up throughput by 50% over existing systems. - Worked with a large UK retailer to help develop bespoke Xamarin cross-platform mobile applications used by 70,000 people daily, deciphering problem tickets generated by them. - Collaborated with key stakeholders and members across various teams to ensure smooth rollout of applications into 300+ stores. - Managed Production Linux servers running operations via command line and creating shell scripts. Also manipulated an Oracle SQL database to retrieve, insert, delete, and amend data. - Responsible for software maintenance and updating deprecated framework across the codebase which required wide understanding of the internals of the software and systems. - Standardised team collaboration with the introduction of Git best practices allowing for development to continue when key team members are away. - Produced presentations on soft skills, AI running locally making the cost for experimentation free and Hackathons to help further my college's personal development.	
Software Developer Packet Storm, London	2018 - 2020
- Worked with the lead developer to support the development of various projects and improve the speed at which they were tested by introducing automation. - Built and set up a local ZFS server with an email alert system if any errors occur.	

Projects

Volunteering App [React Expo | Supabase | Docker]- 2025 - Cross platform mobile app uses Supabase for its database, user authentication and maps integration. User generated content which is moderated via an AI enabled N8N automation and a Spring API both running on a vm in containers.

Motivational App [Android | iOS | AWS | GitHub Actions] - 2024 - Created a Github actions CI pipeline to automatically update production code and remote configuration data for A/B testing, Uses AWS Lambda for off device processing on user data and AI to analyze trends and feedback

Custom Electronics [Soldering | E-commerce] - 2024 - Repaired broken controllers by desoldering faulty parts and replacing them and building custom PCs. Managed and online store for taking custom orders and tracking progress.

AI Product detector [GCP | Google Vertex | AI] - 2023 - Used google vertex to train a custom model for demo store products. The AI was able to correctly identify the unique items that were not added to the training set live with the use of a smartphone camera.

Education & Certification

University of Sussex	MComp Master of Computer Science - 2.1	2023
AWS	AWS Certified Cloud Practitioner	2023
GCP	GCP Cloud Digital Leader Certification	2024
AWS	AWS Certified AI Practitioner	2025

Interests: Basketball | F1 | Hiking | Photography | Travelling | Volunteering | Hackathons