

Henry K Adarkwa

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Education

University of Sussex	MComp Master of Computer Science - 2.1	2023
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Employment History

Software Engineer Capgemini, London	2023 - Present
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- Created automated backend 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.
- Worked closely 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 manipulated an Oracle database to store, 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.
- Helped improve 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
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- 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 | Firebase | Real time Database] - 2025 - Uses firebase for its realtime database and maps integration to show user content. Firebase is also used for user authentication, and remote configuration data, React expo for cross platform mobile app front end.

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

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.

Certification

AWS	AWS Certified Cloud Practitioner	2023
GCP	GCP Cloud Digital Leader Certification	2024
AWS	AWS Certified AI Practitioner	2025

Additional Skills

Computing:	Java Python React Docker AWS GCP SQL GIT(CI/CD) AI Microservices
IT:	Linux (bash) Unix (Terminal) Windows(cmd) Kanban Trello Obsidian
Interests:	Basketball F1 Hiking Photography Travelling Volunteering Hackathons