

Charlie Harris

Senior Software Developer

Contact

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Skills

Java Spring/Spring Boot AWS
Docker JUnit/Mockito Maven
ElasticSearch/OpenSearch Python
Git SQL NoSQL RESTful API
Terraform Microservices Serverless
Software Architecture Design CI/CD
Integration Testing Agile/Scrum

Certifications



AWS Solutions Architect
Associate



CompTIA Network+



CompTIA A+

Education

University of Essex 2015 - 2018
BSc Computer Science - First Class

South East Essex College 2007 - 2009
Diploma Level 3 - Computer
Programming/Software Development

Chalvedon School 2003 - 2007

Experience

Grabyo

Senior Software Developer

01/2023 - Present



Some project work includes and is not limited to:

- Designed and implemented a **serverless** approach for using a third-party **AI** to identify **key moments** in **live broadcasts**. From this we can create a marker that references that point-in-time which allows our customers to find and **create content** around those key moments swiftly and efficiently.
- Led a team in developing and implementing a **secure credential management system**, empowering organisation administrators to create, share, revoke and delete credentials within their teams. This approach ensured that only designated organisation administrators retained control over sensitive information, significantly **improving security** and reducing the risk of potential leaks.
- Implemented single sign-on (**SSO**) functionality in Grabyo using **AWS Cognito**, enhancing **security**, streamlining **user authentication** and giving our customers the knowledge that user authorisation always meets major compliance standards, follows best practices and is securely managed.
- Mentor team members to assist with technical progression.

Grabyo

Software Developer

08/2018 - 01/2023



Grabyo is a cloud based video production suite that is heavily used in the broadcasting industry. Solely deployed on **AWS**, I have worked on and not limited to:

- Led the implementation of multiple **integrations** into Grabyo that enable our customers to seamlessly push **broadcast live streams** to over-the-top (**OTT**) platforms and share video on demand (**VOD**) content to external destinations, enhancing the way in which our customers can share content created in Grabyo with their end users.
- Implemented an **automated event-driven content deletion system** that removed customer content and updated internal customer records to properly manage the lifecycle of our customers' content. This reduced manual effort, enhanced data privacy and compliance measures, reduced the risk of outdated information and saved Grabyo AWS storage fees.
- Designed and implemented an **adult logging microservice** to track user activities within Grabyo's system to ensure **user accountability** for their respective organisations. This provides our customers the ability to oversee their users' actions within Grabyo's system to ensure system integrity.

epay

Infrastructure Engineer

04/2015 - 09/2015



epay is one of the UK's leading electronic payment solution providers.

Responsibilities included:

- Complete setup of new customers to provide secure access to epay's **network infrastructure**.
- Manage and update the **security** and **networking** of **Cisco** networking appliances and monitor **Nagios/Solar Winds** to ensure maximum availability and security.
- Deploy, manage and troubleshoot **Active Directory**, **Microsoft Exchange** and **VMWare** virtual machines.