

Khesim A. Reid

SOFTWARE ENGINEER

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Experience

Amazon

London, UK

SOFTWARE DEVELOPMENT ENGINEER

October 2021 - Present

- Currently working as a full-stack software engineer (SDE II) in the Prime Video Website client team. Developing frontend widgets in React.js and backend APIs in Scala for integrating with dependency services to deliver for our customers. Features worked on include Age Verification, Devices Management, Navigation Bar, Parental Controls, Profiles and Viewing Restrictions.
- Core contributor for implementing the channels integrated Prime Video Navigation Bar on Web.
- Technical Lead for introducing the Age Verification Page to the Prime Video Website. The addition of this page allowed flagship R21 rated content, such as 'The Boys', to be streamed on Prime Video in Singapore.
- Core contributor for adding Profile level PIN and locks functionality to Prime Video. I was responsible for implementing the PIN & Locks Page for PIN management and setting Profile restrictions.
- Served as the Q1 2023 Scaling Point of Contact for ensuring that Help, My Stuff, Profiles and Settings pages on the Prime Video Website were adequately scaled for upcoming events.
- Improved the automatic language selection, resulting in an approximately 50% decrease in manual language selection by non-English speaking Prime Video customers.
- Successfully carried out an API migration which resulted in a latency improvement of approximately 30% in key marketplaces.

Barclays

Glasgow, UK

SUMMER TECHNOLOGY DEVELOPER

July 2020 - August 2020

- Interned in the Chief Technology Office (CTO) team of architects, while also serving as a software developer, in an intern team, on a machine learning project. As an architect intern, I ensured that the machine learning project adhered to and furthered the firm's technology strategies.
- Utilised Anaconda and AWS to develop machine learning models for analysing and classifying batches of FNZ trade data generated during the Covid-19 Pandemic.
- Our intern team won the prize for the best intern project within the Wealth Processing transaction cycle.

Education

UCL

London, UK

MSC SOFTWARE SYSTEMS ENGINEERING - DISTINCTION

2020 - 2021

- **Key Course Units:** Requirements Engineering and Software Architecture; Software Abstractions and Systems Integration; Complex Networks and Web

University of Manchester

Manchester, UK

BSc (HONS) COMPUTER SCIENCE - 1ST CLASS

2017 - 2020

- **Subject Areas:** Algorithms, Artificial Intelligence, Computer Architecture, Distributed Computing, Programming, Software Engineering

Skills

Core Competencies Java, Scala

Working Knowledge Python, C, C#, SQL, Typescript, React, HTML & CSS

Previous Projects

Node-RED Quantum

[HTTPS://NODE-RED-QUANTUM.GITHUB.IO/](https://node-red-quantum.github.io/)

June 2021 - September 2021

- Node-RED Quantum is a library of nodes for use in Node-RED which allows users to build quantum programs as graphical flows by dragging, dropping and connecting these nodes. Node-RED Quantum was a UCL Industry Exchange Network team project done in partnership with IBM.
- For this project, I served as the team lead and was responsible for leading the team, managing goals and timelines, and liaising with stakeholders while still working as a software developer.

ORCA: Online Register for Classes with Analytics

[HTTPS://GITHUB.COM/UCL-ORCA/ORCA](https://github.com/UCL-ORCA/ORCA)

November 2020 - April 2021

- ORCA is a web application for use by academic institutions to monitor students' engagement with online learning in a non-obtrusive way. It was a team project completed by UCL MSc students in partnership with Microsoft, as part of the UCL Industry Exchange Network.
- I was responsible for implementing the event aggregator which combined logs of student activities from various learning platforms into one standard format for storage in SharePoint Lists. I was also responsible for creating the scripts which would allow students to request their stored data or delete it, in order to comply with GDPR regulations.