

Kelvin Nyakundi

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[GitHub.com/kbnyakundi](https://github.com/kbnyakundi)

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Website: theurbancoder.co.uk

Languages (Experience in years):

Python, Java, SQL(4), JavaScript(2), Kotlin, C, C++(1)

EDUCATION

MEng

Oct 2016 - June 2020

2:1 - Final Average:69

University of Warwick

Computer Science

Modules Include: Algorithms & Data Structures, Web Development Technologies, Advanced Computer Security, Machine Learning, Algorithmic Game Theory, Databases

A-levels

Oct 2014 - July 2016

Altrincham Grammar School for Boys

Maths - A*, Further Maths - A, Physics - A*, Chemistry - A*, Computing (AS Level) - A

GCSE

Altrincham Grammar School for Boys

7 A*'s, 3 A's and 2 B's including Mathematics and English

EXPERIENCE

Android Engineer

Aug 2021 - Now

Barclays

-Kotlin, Java, Jetpack Compose, Android

- Worked alongside another developer and created a library of reusable User Interface (UI) components for a Server-driven UI App by using SOLID and Clean Code design principles.
- Built efficient and comprehensive Instrumentation/Unit Testing procedures and integrated them with the existing Continuous Delivery pipeline.
- Worked with multiple teams to refactor and modularise a monolithic codebase into multiple team-owned modules, resulting in quicker development and release times

Full-Stack

Software Engineer

Aug 2020 - Aug 2021

Barclays

-Python, PLSQL, Docker, Openshift

- Designed, created and deployed a RESTful API to OpenShift Container Platform which allowed over 1000 suppliers to register/deregister to an in-house software
- Increased teams efficiency by 5% by implementing an Extract Transform Load (ETL) Platform to automate the importing, exporting, and analysis of data from several data warehouses.

Software Engineer

Intern

Jun 2019 - Oct 2019

TripAdvisor

-Java, HTML, JavaScript, SCSS, React

- Successfully designed, implemented and deployed multiple new features of a large enterprise project, which involved presenting to 50 members of the department after each release.
- Managed to save the company £10,000 in revenue by identifying and fixing a bug on the payment related side of the TripAdvisor website.

PROJECTS

Source Code

Plagiarism

Detection

-Python, HTML, PHP, CSS, Scikit-learn, TensorFlow

- Independently created a python software that used machine learning on large sets of data in order to detect source code plagiarism.
- Utilised neural networks and natural language processing in order to detect 15% more plagiarism cases than commercial software.

Virtual Assistant

Trading Chatbot

-PHP, HTML, Materialize, IBM Watson, MySQL

- Led a small team to create a Chatbot using IBM Watson to provide answers to a user's queries on the stock market.
- Implemented algorithms that employed caching, in addition to carefully picked heuristics, to tailor the Chatbot's answers to the user's previous queries and provide helpful suggestions.
- Selected as one of the top 5 out of the 30 participating groups by Deutsche Bank.

LEADERSHIP &

AWARDS

See more projects: theurbancoder.co.uk

- **SU54 Africa Tech '19 - Overall Winner:** A 54-hour Hackathon that involved pitching a fin-tech solution to a problem in Africa to a panel of investors.
 - Developed a prototype mobile application using React Native.
 - Placed first overall out of 12 teams and invited by Barclays to present the idea at the Future Banking conference.

EXTRA -

CURRICULAR

🎵 Mixing & Mastering Engineer

🌐 Freelance Web Developer

✂️ Graphic Designer