Nairobi, Kenya

+254728252363

kamaujonathan@gmail.com

JONATHAN KAMAU
Software Engineer

kamaujonathan

jonathankamau

jonathankamau.github.io

WORK EXPERIENCE

Software Engineer at Andela   **Nairobi, Kenya** | **March 2017 - Present (3 Years)**
- Developed, optimized and secured APIs in Python as well as implemented data security and storage for one of Andela's internal tools.
- Wrote test cases for the code that improved code coverage by 90%.
- Work with the engineering teams of Andela's partner companies, such as 2U, as a full-time, remote software engineer.

Software Engineer (Contract - Remote) at 2U   **Brooklyn, NY** | **May 2018 - Jan 2020 (20 Months)**
- Collaborated with one of 2U's engineering teams to integrate, deliver and maintain their suite of applications for new university programs and in the process, improved the program standup process that includes deployments and data integration.
- Achieved an 80% turnaround efficiency for 2U in the final quarter of 2019 as a team.

EDUCATION

Udacity Data Streaming Nanodegree
Udacity   **Currently in progress**

Udacity Data Engineering Nanodegree
Udacity   **Completed in October 2019**

Bachelor of Business and Information Technology
(Second Class Honours, Upper Division GPA: 3.639)   **Nairobi, Kenya** | **Sept 2008 - July 2012**
Africa Nazarene University

PROJECTS

Udacity Data Engineering Capstone Project   **Sept 2019 - Oct 2019**
- Built an ETL pipeline that was able to provide information to data analysts and researchers with temperature, population and immigration statistics for different cities.
- Worked with big data using Apache Spark, Apache Airflow, Amazon Redshift, and Amazon S3.

MovieBuff Python API   **Sept 2018 - Sept 2019**
- Developed an API in Python that allows users to create, view and update their list of favorite movies.
- Created the API using Python Flask, integrated it with both MongoDB and Postgres, implemented an ORM framework SQLAlchemy, and set up continuous deployment of the API on Heroku.

EpisodeTracker API   **2018**
- Built an API that allows users to keep track of the TV shows they watch.
- Created the API using Python Django.

TECHNICAL SKILLS

Programming Languages: Python   **Frameworks:** Django and Flask
Version Control Systems: Git/Github   **Databases:** PostgreSQL, MongoDB, and SQLite
Cloud Computing platforms: AWS
Others: OOP, TDD, CI/CD with Travis, CircleCi and Jenkins, Apache Spark and Apache Airflow.