

Rodgers Kipchumba

Software Engineer

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EXPERIENCE

Upwork, online — *Software Developer/Freelance*

December 2021

Design and create effective websites and applications

Integrate user-facing elements and understand end-user requirements

Write reusable, testable, and efficient Python code

Designed and coded unit testing procedures and provided production application support.

Computed functional requirements to define technical designs.

Contributed to reduction of run time errors by designing and executing automation procedures.

Utilized agile methodologies to support ongoing improvement of processes.

Andela, Kenya— *Jr. Software Engineer*

Jan 2018 - Dec 2021

Adopted scrum methodology to deliver Flask related tasks

Create secure and reliable REST APIs which include authentication, logging, caching, and more

Handle log-outs and prevent abuse in your REST APIs with JWT blacklisting

Designed and implemented production-grade CI/CD pipelines on CircleCI.

Set up monitoring and alert systems using Stack driver thus catching any kind of system failures early.

Architected and rolled out a fault-tolerant infrastructure on GCP using Terraform,

Docker, and Kubernetes with up-to 99% uptime.

EDUCATION

Udemy, online— *REST APIs with Flask and Python*

July 2020 - Current

Connect web or mobile applications to databases and servers via REST APIs

Handle seamless user authentication with advanced features like token refresh

Successfully completed the first project which required me to host a static website on AWS using S3 Amazon Service and CloudFront Amazon Service.

Technical university of Kenya

September 2014 – December 2017

Programming fundamentals in JavaScript, C++ or Java, SQL, Python and Ruby.

SKILLS

Python, Node.js, JavaScript,

HTML, CSS, JQuery, Flask, Django,

PostgreSQL

Kubernetes, Docker,

Terraform, CircleCI, Jenkins,

GCP, AWS, git, Github,

Communication, learning, teamwork, problem-solving.

