Patrick DUSHIMIMANA

Software Developer & Security Engineer

Dedicated software developer and security engineer with experience in back-end web applications, mobile applications, and network analysis. Capable to deliver resilience and secured software that satisfies the client's expectations. Trained over 20 System administrators of government organizations to use Smart Administration System which increased the communication within the government organizations employees. Currently seeking opportunities in Software development and cybersecurity.

Work Experience

Back-end developer, Redbird Inc   Jan 2021 – May 2021

- Developing an API using Django REST framework.
- The API will increase at 89% the engagement of Redbird's patients to access their medical information via WhatsApp.

Researcher and Software developer, CMU-Africa   May 2020 – Aug 2020

- Collected and designed project requirements from clients. This reduced 80% of the implementation expected time.
- Implemented the back-end API of public transport in Rwanda.
- The API facilitated the public transport model in Kigali.

Software developer and System architecture, Rwanda Information Society Authority   Apr 2019 – July 2019

- Trained system administrators of 20 government organizations to get familiar with Government Smart Admin System (GSAS).
- Adjusted teaching language based on different people's understanding of programming terminologies.

Project

Lodge's Guests Tracking system   Ndahiriwe Vedaste   Kigali Jan 2019 --July 2019

- Developed efficient software designed to manage the movement of clients in lodges.
- The software reduced 80 % of the money spent on buying notebooks for client's registration.

Education

Master of Science in Information Technology

Carnegie Mellon University Africa, Rwanda   July 2019 – June 2021

Specializations: Software Engineering and Cyber Security

Bachelor of Science in Information Technology

Adventist University of Central Africa, Rwanda   June 2015 – June 2019

Specialization: Software Engineering

Personal Information

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Skills

Programming Language:

Back-end language (Advanced) Java, Python, (**Basic**) C, (**Basic**) C++, (**Basic**) PHP, (**Advanced**) Android Studio

Front-end language (Advanced): HMTL, CSS, JavaScript, (**Basic**) Flutter for mobile application

API Framework

Django REST framework,

Spring boot

Database programming:

(**Basic**) PL/SQL, (**Advanced**) DBMS, (**Advanced**) MySQL, (**Advanced**) PostgreSQL, (**Basic**) MongoDB

UI & UX design

(**Advanced**) Figma, (**Advanced**) Canva

Cybersecurity Skills

- Vulnerability Assessment
- Penetration Testing
- Computer Forensics

Development tools

Enterprise architecture, Eclipse, NetBeans, VScode, Microsoft Visual Studio, Git. Docker

Server administration: Apache tomcat. Microsoft SQL Server, WAMP Server, Nginx