



Crispine

Ready to start immediately

📍 Kenya🕒 4 hrs overlap (PST or EST)📅 7 yrs exp

Software Developer with over 7 years of experience, proficient in programming languages such as C, C++, Java, JavaScript, and particularly Python, with specialized expertise in Django and Vue.js frameworks for web development. Known for strong skills in documentation and adherence to coding standards, prioritizing security measures in coding practices. Possesses excellent communication and collaboration abilities.

✔ Technical Skills

You will be matched for these following skills:

Skill	Years of experience
✓ Django4 years	4 years
✓ Python5 years	5 years
✓ SQL4 years	4 years
✓ React5 years	5 years
✓ JavaScript< 1 year	< 1 year
✓ JavaScript Frameworks< 1 year	< 1 year
✓ Javascript ES6< 1 year	< 1 year
✓ Vue.js5 years	5 years
✓ Java4 years	4 years
✓ Data Engineering5 years	5 years
✓ MongoDB5 years	5 years
✓ Data Analysis7 years	7 years

Additional skills:

HTML 6 years	PHP 5 years	HTML/CSS 4 years
Selenium WebDriver 4 years	Excel 6 years	
Deep Learning 5 years	Selenium 5 years	GPT 2 years
Nuxt.js 6 years	Yarn 4 years	Chatbot 6 years
REST/RESTful APIs 5 years	Data Management 7 years	
Communication 18 years	Node.js 5 years	Express.js 6 years

📁 Work History

🔵 Programmer

December 2016 – Present

Freelance

CNN plant disease detection

<https://github.com/twarik/Plant-Diseases-Detection-Django>

- Collected a dataset containing 54,306 images of 14 different crops, then split it into 80% training and 20% validation sets.
 - Trained a ResNet50 model via transfer learning using a Google Collaboratory GPU.
 - Achieved good results in data engineering and AI work.
 - Enabled the model to distinguish between 38 different classes, including crop species and health status.
 - MongoDB Used in User Auth
- A validation accuracy of 98.47%.

Deep Learning Django Vue.js Python Data Engineering MongoDB

Custom Chat GPT

<https://github.com/kgarchie/JPT>

- Installed dependencies using package managers like yarn, npm, or pnpm for Vue.js.
- Started the development server with commands, despite potential issues with WebSocketServer setup.
- Built the application and started it locally for testing purposes.
- Deployed the output directory to a server for data engineering.
- Explored options for locally previewing the production Vue.js and php build, acknowledging that these might be untested.

Customized chatbot.

Vue.js GPT Yarn Chatbot Nuxt.js Data Engineering PHP

Python Selenium Tor Browser

https://github.com/kgarchie/tor_selenium

- Utilized Selenium, Selenium Webdriver, and Tor browser to change the IP address each time a connection to the internet is established in the tor_selenium project.
- Group Communication
- Provided step-by-step instructions for setting up the environment, including creating a virtual environment, installing necessary dependencies for Python, and configuring Tor browser.
 - Implemented a workaround for a bug in the Stem library.
 - Automated web interactions while masking the IP address through Tor using the Python program.
 - Incorporated Data Engineering for a later deep learning model, networking, and some Java functions.
 - MongoDB test caching for later data analysis

Allows you to automate web interactions while masking your IP address through Tor.

Data Engineering Java Selenium Python Deep Learning Communication MongoDB

Data Analysis

Vue and Django

https://github.com/kgarchie/Vue_Django-REST

- Integrated the Vue.js framework with Django, a Python-based web framework, to create an online store.
- Utilized Vue.js and a bit of React to build the frontend user interface, ensuring an interactive and dynamic user experience.
- Employed Django as the backend, running a RESTful API to manage data communication between the frontend and the server.
- Developed a responsive and feature-rich online store, combining Vue.js, and React with HTML and CSS for managing the user interface and interactions.
- Managed data analysis with Django, incorporating a bit of SQL, and facilitated communication with the server through RESTful APIs.
- Included a lone Java, and React test module as part of the project.
- MongoDB

An online store using Django, RESTful API, and Vue.js.

Django REST/RESTful APIs Vue.js Communication Data Management Python Java HTML/CSS

SQL React Data Analysis MongoDB

MERN Stack Chatbot

Chatbot for communicating with end users using
Express.js Communication data (included data analysis)
Node.js and currently trying to integrate with a Nuxt.js ai chatbot
Chatbot for communicating with end users

Node.js Express.js Chatbot Nuxt.js Communication Data Analysis

🔵 Computer Lab Technician

February 2019 – November 2019

Ndula Secondary

Project at Ndula Secondary

<https://shulepro.com/>

- Added, edited, and managed school and class students using the information system for an exam management system for local high schools.
- Handled data very well within the system.
- Implemented a Java module to handle sessions.
- Imported students from Excel sheets.
- Added phone numbers, entry marks, email addresses, and houses for students.
- Promoted or demoted students as required.
- Set up attendance biometrics for students and accessed the timetabling module.
- Assigned teachers to classes and subjects.
- Set up students' subjects within the system.
- Printed school class lists.
- Created school identity cards for the students.
- Added and managed exam results and printed various academic reports like report cards and subject performance.
- Set up UPI and index numbers for students.
- Managed or added compatible grading systems.
- Provided seven different designs for report cards in the software, with options to choose what is shown in the report cards, including the ability to send them to guardians' or students' email addresses.

Better results handling.

Python Data Engineering Java Excel

🎓 Education

September 2019 – September 2022

Jomo Kenyatta University

Bachelor Of Science : Information Technology

February 2015 – November 2018

Nyeri High School

High School Diploma

