

Vincent Kipngetich Kirui

Software Engineer | Graduate Financial Engineer

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Profile

Passionate versatile software engineer capable of providing innovative engineering solutions and bringing creative expertise in all elements of the software development life cycle to the table. Expert in solving problems and completing software projects from beginning to end while ensuring secure, private, and dependable computation in light of sound strategic approaches.

Employment History

QA Engineer- Flawless Workflow

Part Time Remote - Present

- Test the software to identify and report functional, usability and performance bugs.
- Collaborate with the team to develop effective testing strategies.
- Create detail issue reports on jira/trello
- Contribute in efforts to automate testing for increased efficiency.

Data Engineer/analysis Expert - Asilimia ltd

Part Time - Present

- Data extraction, transformation and loading from firebase through Google cloud bigquery to metabase.
- Using jupyter notebooks, pandas, and Tableau to profile various data sets with visualisation.
- Use AWS storage buckets and firebase to store data.
- Writing reports on the various data analysis methodologies.
- Feature engineering and machine learning model training for company loan application and deriving a model to lean loan to salaried people on Fortune Sacco.
- Designing and implementing data extraction pipelines and schemas on firebase .
- Building dashboards for stakeholders, sales and marketing teams to gain insights for business decision making.

Software Engineer/Test Engineer - Asilimia

Feb 2022 - Present Full Time

Skills

Python 3, Node js.

React js (Typescript, MUI, redux).

Testing (manual and Automatic)

Version Control (Git, Github & Gitlab).

Machine learning

Docker & Kubernetes.

Problem-Solving Skills.

Teamwork Skills.

Project Management.

Tableau.

Jupyter notebooks

Database

(Postgres, Mysql, mongoDB)

Languages

English.

Kiswahili.

Hobbies and Interests

Drawing.

Rugby and basketball.

Reading.

Travelling.

Professional Membership

Data Science badge-

WorldQuant University.

- Design, implement, and maintain APIs using Python (Django and FastAPI) and node JS (Express and Koa).
- Deploying containerised applications on AWS.
- Maintenance and testing of production applications (manual and automatic tests).
- Help develop and maintain cloud functions in Typescript on Firebase.
- Integrating Safaricom's daraja, cellulant & pesalink APIs for money transfers and mobile payments.
- Help develop and maintain USSD applications
- Technical support to customer support team and sales team

Python Django Engineer - Learnhall

Feb 2023 - May 2023 part time

- Web Applications and APIs Programming in Python using FastAPI web framework.
- Responsive website Coding using HTML5, CSS3, Bootstrap, tailwind CSS, SASS, Typescript (javascript) & React js.
- Automation of google workspace applications tasks with app script.
- Developing web scraping scripts using scrapy, beautiful soup and selenium.
- Database design (Postgres, SQLite, MySQL).
- Setting up applications to run on containers (Docker).
- Deployment of applications on Google Cloud Platform.

Research Intern - Teknerve Limited

Jan 2021 - April 2021

- Research companies and collect the relevant information on the decision-makers & additional details about the company.
- Implement google workspace and Copper client relationship management(CRM) software in my daily tasks.
- Responsibilities: managing and leading the project team; recruiting project staff and consultants; developing and maintaining a detailed project plan.

Education

Bachelor of Science (Financial Engineering), Jomo Kenyatta University of Agriculture and Technology

Grade: **2nd Upper division**

Activities and societies:

- Tech Expos and Football

Chemosot Youth Polytechnic

Certificate course in computer applications, Computer software ~ 2017

Grade: Credit

Koiwa Boys High School - Kitale

KCSE, High School /Secondary Certificate ~ 2010 - 2013

Grade: A-(minus)

Activities and societies:

- Played football and basketball
- Participated in Science congress