





—○ **BRIAN WAHINYA NGURE** ○—  
SOFTWARE ENGINEER  
CURRICULUM VITAE

## CONTACT

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## PROFILE

Nationality: Kenyan  
Age: 26 years  
Address: 140-20319 South Kinangop, Kenya  
Languages spoken: English, Swahili, Kikuyu  
Career progression path: Data engineering and project management

## SKILLS

- JAVASCRIPT ES5/ ES6+
- SQL
- PYTHON (CRUD & API)
- JQUERY
- HTML/CSS
- GIT
- API DEVELOPMENT
- DATA VISUALIZATION
- API TESTING – POSTMAN
- CRUD APP DEVELOPMENT

## EXPERIENCE

### United Nations (ECLAC)

#### Front-end developer consultant (CEPALSTAT Project)

2020 September - Current

This is a huge data related project owned by UN-ECLAC, specifically managed and maintained by Statistics division. The current CEPALSTAT application is outdated and hence need for new technology. Main data categories are regional and national profiles. Each is divided into various topics such as social, economic, environmental and energy.

Main tasks: migrating the current charts and tables to consume data from a new developed JSON API. Redesign the charts and tables to fit a modern visualization context and improve the users' experience with real-time data.

This project is still in the final development stages.

Tools and languages: JavaScript, JQuery, GIT, Postman, HTML/CSS, JS Chart libraries.

Main link: <https://cepalstat-prod.cepal.org/portal/cepalstat/>

### United Nations (ECLAC)

#### Front-end developer consultant (Yearbook Project)

2021 January - Current

Every year the Statistics division releases an annual report of various indicators and topics. Since its inception, this has been inform of hardcopy book.

Main tasks: develop a web version of the yearbook charts and tables. Data is provided in form of Excel files which have to be converted to JSON data files. Charts vary from sankeys, complex map designs, custom charts, calendar charts, sunbursts and complex table designs

This project is in the final stages of development.

Tools and languages: JavaScript, JQuery, GIT, Postman, HTML/CSS, JS Chart libraries.

Main link: <https://cepalstat-prod.cepal.org/yearbook/2020/>

### United Nations (ECLAC)

#### Front-end developer consultant (SDG Gateway Project)

2019 September – 2020 August

## EDUCATION

### Certificate

#### Africa Data School

2021 March – Present

Studying Data Science, Artificial Intelligence and Machine Learning at an intermediary level. Python, Deep learning, Big Data, Ms Azure Platform are some of the many tools and topics in the course

### Certificate

#### Modcom Institute

2018 January – 2018 April

Professional course in Web and Mobile App Development. It involved JavaScript, PHP, HTML, CSS, SQL, Android Java and basic

programming concepts like O.O.P and security

### Degree

Jaramogi O. O. University

2014 January – 2018 March

Graduated with a degree - Bachelor of Science in Information and Communication Technology.

### Certificate

Computer Pride College

2014 November – 2014 December

CompTIA A+ professional course. It involved mainly computer hardware, repair and maintenance.

## LEADERSHIP

Secretary General

Jaramogi O. O. University

2015 September – 2016 October

Elected students' SecGen. This leadership position enhanced my leadership skills through conferences, leadership camps and interacting with recognized society leaders.

## REFEREES

Daniel Taccari

United Nations

Division Head and Senior Statistician

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In 2019 UN-ECLAC made a deliberate decision to develop a web application in line with SDG targets.

Main tasks were to develop and maintain over 700 charts. These charts are divided in three main categories: regional targets, country targets, general topics. Regional targets consume data from CEPALSTAT API while the rest are local JSON files retrieved from excel files

They varied from complex custom graphics, maps, bar, line charts.

Tools and languages: JavaScript, JQuery, GIT, Postman, HTML/CSS, JS Chart libraries.

Main link: <https://agenda2030lac.org/estadisticas/>

## United Nations (ECLAC)

Full-stack developer consultant (ICP Project)

2019 April – 2019 May

International Comparison Program is an important application used by UN, World bank, Central-South American countries and other organizations to share economic data.

Main tasks were: migrate the old ICP application and add new functionalities based on clients' needs while significantly improving the user-interface design.

The first stage was system analysis and design. It also included setting up server and database components. This was completed; which included a prototype. The other stages are incomplete due to priority changes.

Tools and languages: Python, SQL, JavaScript, JQuery, GIT, Postman, HTML/CSS.

## United Nations (ECLAC)

Front-end developer intern

2018 October – 2018 December

Data visualization. API testing. Analysis of the most suitable JS chart libraries to be used by UN-ECLAC Statistics division for future projects. Developed the first prototype web-version of Statistical yearbook charts.

Tools and languages: JavaScript, JQuery, GIT, Postman, HTML/CSS, JS Chart libraries.

## Regional Center for ICT Governance

Full-stack developer

2018 August

This is a startup company/ organization in Kenya dealing with business related data.

Main tasks: system analysis and design of their first company full-stack web-application. The first prototype was completed and deployed.

Tools and languages: JavaScript, JQuery, GIT, Postman, HTML/CSS, JS Chart libraries.

Main link: <http://cictgov.co.ke/>(prototype)

## National Bank of Kenya

ICT Intern

2017 February – 2017 May

Worked with a team of great professionals in the IT department of NBK.

Computer network installation and troubleshooting. Computer hardware repair and maintenance. Installation of computer software such as operating systems. Recovery of lost, deleted or corrupt computer data. Installation and managing servers.