

# Okoth Arnold

## Software Engineer

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🔗 <https://okotharnold.netlify.app/>

### 👤 Profile

Dedicated and results-driven Software Engineer with 6+ years of experience in full-stack development, data analysis, and financial sector applications. Proficient in Python, JavaScript, and Linux, with expertise in cloud computing and DevOps practices. Seeking to leverage my technical skills and industry knowledge to drive innovation and efficiency in a challenging software engineering role.

### 📁 Professional Experience

#### Implementation & Support Specialist Engineer

11/2022 – present

*Sybrin Kenya Limited,*

- Developed and maintained financial industry applications using Python, TypeScript, and SQL Server
- Designed and implemented RESTful APIs for seamless integration with front-end systems
- Optimized database queries and stored procedures, improving application performance by 30%
- Collaborated with cross-functional teams to troubleshoot and resolve complex technical issues
- Implemented CI/CD pipelines using Jenkins, reducing deployment time by 40%

#### Bayer East Africa Limited

*Data Analyst*

01/2019 –

10/2019

- Managed SAP data maintenance processes, ensuring data integrity and consistency
- Developed predictive models using Python and machine learning libraries, achieving 55% accuracy in new product sales forecasting
- Created automated reporting systems using SQL and Python, reducing manual reporting time by 60%

*Crop Science Product Supply | Data & Analytics Specialist,*

10/2017 –

08/2018

- Designed and built data pipelines using Python and SQL to optimize local material data flow, achieving a 25% increase in processing efficiency.
- Utilized Python libraries (pandas, NumPy) to implement data modeling initiatives, transforming raw data into a format suitable for analysis.
- Created interactive data visualization dashboards leveraging Python libraries (Matplotlib, Seaborn) to improve data accessibility for stakeholders.

- Developed Python scripts to automate data cleansing processes within SAP systems, improving data quality and integrity for reporting purposes.

#### **Pevans East Africa Limited**

06/2016 – 11/2016

##### *Assistant Mobile Developer*

- Developed cross-platform mobile apps using frameworks like Apache Cordova or Xamarin.
- Integrated web services using SOAP or REST APIs.
- Utilized JavaScript libraries like jQuery for front-end development.
- Leveraged backend technologies like Java or PHP.

## Education

#### **Diploma In Information Science,**

09/2011 – 11/2014

*Inorrero University*

#### **Linux System Administrator Certificate**

06/2013 – 08/2013

*Inoorero University*

#### **Certificate in Pyschology and Counselling,**

08/2012 – 11/2012

*Kenya Association of Professional Counselors*

#### **kenya Certificate in Secondary Education,**

02/2006 – 11/2009

*Jamhuri High School*

## Skills

**Programming Languages** – Python, JavaScript, SQL, Java

**Frameworks** – Django, Flask, React, Node.js, Spring Boot

**Databases** – PostgreSQL, MySQL, SQL Server, MongoDB

**Cloud** – AWS (EC2, S3, RDS, API Gateway), Azure, Google Cloud Platform

**DevOps** – Docker, Kubernetes, Jenkins, Ansible, Git

**Other** – RESTful APIs, Microservices, Linux, Agile/Scrum

## References

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**Paul Mboya**, *Assistant Manager - Case Management*, Sybrin Kenya Limited  
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**Eric Mwangi**, *Customer and Channel Data and Insights analyst*, Bayer East Africa Limited  
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**George Ogalo**, *Software Engineer*, Pevans East Africa Limited  
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