

Samuel, Doghor Destiny

Software Engineer | Backend Engineer

PROFESSIONAL SUMMARY

Highly motivated Software Engineer with 5+ years of experience bridging the gap between business needs and innovative software solutions. Possesses a strong ability to translate complex requirements into efficient and maintainable code, utilising proficiency in SQL & No-SQL, Python, JavaScript, OOP programming, TDD Programming and more. Demonstrates practical expertise in managing relational databases (PostgreSQL, MySQL) and thrives within agile development methodologies.

TECHNICAL SKILLS

- Experience in Test-Driven Development, utilising **jest** to write frontend unit tests and the **unittest** framework to author backend unit tests.
- Experience working on projects through all stages of the software development life cycle including requirements gathering, design, coding, testing, deployment, and maintenance.
- Experience leveraging tools including **Postman**, **Swagger UI**, **Sphinx**, and **Docusaurus** to perform comprehensive **RESTFUL API** testing and generate in-depth API documentation.
- Experience with multiple Operating system environments including **LINUX** and **Windows**.
- Experience leveraging **Trello** boards across multiple teams and projects for central global test case management, thorough bug tracking and detailed reporting of testing progress.
- Knowledge of Continuous Integration/Continuous Deployment, Containerisation using **Docker** and Orchestration using **Kubernetes**
- Experience building web scrapers in Python using libraries such as **BeautifulSoup**, and **Requests** to extract and analyse data from websites

CONTACT

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🔗 <https://github.com/samdoghor>

EDUCATION

Bachelor of Science, Food Science and Technology (2017)

Rivers State University, Port

Harcourt, Rivers State, Nigeria

KEY SKILLS

Languages: HTML & CSS, JavaScript, TypeScript, Python.

Libraries/Frameworks: Flask, Flask-Restful, Fast API, React, NumPy, Pandas.

Database/Other tools: PostgreSQL, MySQL, MongoDB, SQLite, Postman, Swagger UI, Docker, Kubernetes, Trello.

Operating System: Windows, Linux

CMS: Wordpress

SOFT SKILLS

Proactive Learning, Design Thinking, Problem-Solving Adaptability, Remote Team Collaboration, Managerial Ability.

LANGUAGES

English – Fluent, Urhobo –

Intermediate, Russia - Beginner

WORK EXPERIENCE

FrexiQ Solutions, Nigeria (Remote)

Backend Engineer

Duration: Nov. 2023 – present

Roles and Responsibilities:

- Develop, maintain, and optimize server-side logic using Python and Flask-RESTful.
- Documenting API endpoints and testing in Postman.
- Optimize application for maximum speed and scalability.
- Implement security and data protection measures.
- Collaborate with front-end developers to integrate user-facing elements with server-side logic.
- Design and implement data storage solutions using SQL (PostgreSQL) databases.
- Participate in code reviews and provide constructive feedback to other engineers.
- Monitor system performance and troubleshoot issues.

Core Features:

- **Seamless Business-Client Connection:** Developed and implemented features that allow business and their clients to easily connect within the platform.
- **Secure Payment Integration:** Integrate third-party payment gateways like Paystack and MoMo Payments to allow easy, secure client payments and business payouts.
- **Effortless Scheduling:** Create an intuitive interface and backend logic to enable easy appointment scheduling between business and clients.

Development Process:

- Prepared a project schedule for the backend development lifecycle using **Primavera**.
- Studied the UI/UX design and customer journey for a better backend implementation
- Continuous Collaboration with the frontend to add or adjust changes to suit their designs
- Implemented continuous integration and deployment workflows through Github.

Project Worked On:

- Landing Page for Waitlist - frontend
- FrexiQ Portal – backend

Tools/Technologies:

Python, Flask, Flask-Restful, PostgreSQL, Unittest, Postman, Trello, Slack

Project(s) Status:

Ongoing

Gommerce, Nigeria (Remote)

Backend Engineer (Team Lead II)

Duration: Aug. 2022 – present

Roles and Responsibilities:

- Led the backend engineering team to develop, optimise and maintain Python/Flask-based services.
- Provide technical guidance and coaching to junior team members through code reviews and design discussions.
- Contribute to improving architecture for security, performance and scalability by leveraging technologies like Redis and asynchronous processing.
- Develop and execute testing strategies, including unit testing, integration testing, and load/performance testing using PyTest, Postman etc.
- Drive API documentation standards using SwaggerUI for clean, easy-to-understand documentation.

Core Features:

- **B2B2C Connectivity:** Created features to connect manufacturers, wholesalers, retailers and end consumers on a single e-commerce platform.
- **Secure Payment Handling:** Integrated payment gateways like Paystack, and Flutterwave to securely process payments between businesses, retailers and consumers.
- **Real-time Notifications:** Implemented capabilities to notify all players along the supply chain when orders are placed, fulfilled or delivered.

Development Process:

- Held project kick-off meeting with a cross-functional team including frontend developers, backend engineers, and project managers to outline objectives, requirements, roles & responsibilities.
- Studied UI/UX mocks, flows, and wireframes created by product design team to inform backend logic and ensure seamless customer experience.
- Iteratively built backend components through agile sprints - writing code, tests, reviewing with the team, refactoring and continuously integrating/deploying.

Project Worked On:

- Gommerce Portal – backend

Tools/Technologies:

Python, Flask, Flask-Restful, PostgreSQL, Unittest, Postman, Trello

Project(s) Status:

Ongoing

Metrova Technologies, Nigeria (Remote)

Backend Engineer

Duration: Feb. 2021 – May 2022

Roles and Responsibilities:

- Built and documented REST APIs using Python that served data to the Frontend Team.
- Designed and implemented optimised data models and database schemas using PostgreSQL, maintaining data integrity and scalability.
- Collaborated closely with cross-functional teams to translate frontend requirements into backend solutions, fostering seamless integration and user experience.
- Implemented performance optimisations and scalability enhancements to meet growing demands and ensure high application responsiveness.
- Architected solutions for complex business problems, balancing functional and non-functional requirements such as scalability, security, and reliability.

Project Achievement:

- Championed and implemented DevOps best practices including environment standardization, CI/CD pipelines, automated deployments, and monitoring. Reduced deployment failures by 30%.
- Introduced detailed logs, and alerting leading to a 65% reduction in downtime. Critical issues were proactively identified and addressed before impacting users.
- Developed reusable libraries and tools for access control, data validation, and error handling. This drove a 25% dip in duplicate code and decreased onboarding time for new engineers.
- Played an instrumental role in capacity planning and launch of key product features like personalized recommendations and content uploading. Both were delivered on time with positive user feedback.

Some Projects Worked On:

- DOBEL Engineering
- The Tantalizers
- Capital Web

Tools/Technologies:

HTML, CSS, JavaScript, WordPress, Python, Flask, PostgreSQL, Unittest, Postman

Project(s) Status:

Some are still active

Codelab LLC, USA/Nigeria (Remote)***Website Developer (Assistant Manager II)***

Duration: Mar. 2017 – April 2019

Roles and Responsibilities:

- Analysed client requirements and determined the scope, features, functionality, and purpose of a website that needs to be developed. This involves working closely with clients to understand their goals, target audience, content needs etc.
- Designed and developed aesthetically pleasing, user-friendly websites that meet client requirements using various programming languages and tools like HTML, CSS, JavaScript, WordPress etc.
- Conducted testing to identify issues, bugs or glitches in functionality, compatibility or design and provide timely solutions.
- Provided maintenance and support services beyond the initial website development as needed.
- Collaborated with graphic designers, content developers and clients throughout the web development process.

Project Achievement:

- Led development of company website redesign project, implementing modern technologies to enhance user experience. Increased website traffic by 20% within 3 months of launch by improving site navigation, and accessibility and integrating engaging visual elements. The updated website also reduced bounce rates by 15%.
- Spearheaded migration of company website to mobile-responsive design, improving mobile load speeds by 50% and mobile engagement by 30%.

Some Projects Worked On:

- Codelab LLC
- 247 Prints and Marketing
- Chop2go

Tools/Technologies:

HTML, CSS, JavaScript, WordPress

Project(s) Status:

Some are still active

SOME NOTABLE PROJECTS/ACHIEVEMENTS





- Certified Website Developer - 2011
- Certified Full Stack Developer – 2022
- Certified React Developer - 2023
- Developed a versatile command-line tool designed to streamline the web development process in Python. <https://pypi.org/project/myte/>
- Designed and developed an e-commerce platform for <https://tmprocessing.com>
- Designed and developed <https://energydeckltd.com.ng/>
- Participated in MoMo API Hackathon 2023

OTHER ONGOING PROJECTS/ ACHIEVEMENTS

- Software Engineer Training (Ongoing)
- Machine Learning Foundation Training (Ongoing)
- NIFODA – Nigeria Food Database API - <https://github.com/samdoghor/ng-food-api>

TECHNICAL SKILL LEVEL





Programming languages

Python: 
JavaScript: 
TypeScript: 
C: 








Operating Systems

Windows: 
Linux: 





Databases

PostgreSQL 
MySQL 
SQLite 
Mongo DB 

Libraries/Frameworks

Flask: 
FastAPI: 
Django: 
React: 
Vue: 
NumPy: 
Pandas: 

Other Tools

Git: 
Postman: 
Docker: 
Kubernetes: 
WordPress: 