

DENNIS ATONYA

SOFTWARE ENGINEER

denatonya@gmail.com · <https://github.com/dentonya> · www.linkedin.com/in/dennis-atonya
Nairobi, Kenya

PROFESSIONAL PROFILE

Software Engineer experienced in software development, with various programming languages and frameworks including Python, Django, JavaScript, Delphi, SQL and React. Strong understanding of software development principles with the ability to deliver quality software. Motivated to work in a team environment and continuously learn new skills.

WORK EXPERIENCE

eProd-Solutions Ltd

June 2022 - Present

Software Engineer

At eProd-Solutions Ltd, I significantly contribute to the development of eProd ERP software for both mobile and desktop applications, with the following responsibilities;

- Collaborating on eProd ERP system updates for software backend/frontend development.
- Managing SQL and MySQL databases supporting the ERP system.
- Testing, debugging and resolving reported bugs in programs.
- Creating and maintaining comprehensive software documentation.
- Utilizing Jira for sprint-based project management.
- Ensuring version control with Tortoise SVN for efficient collaboration.
- Engaging in Agile practices, including sprint planning and daily stand-up meetings, while developing Proof of Concepts and assisting in troubleshooting as a software developer trainee and technical consultant.

Been involved in various projects utilizing the Delphi programming language,

- Digital ID farmer enrollment and validation on the eProd system using MasterCard Community Pass APIs.
- Creating a Windows service for a farmer-produce traceability website.
- Worked on a language translation tool used for translating English to other languages.
- Developed an administration generator tool for generating admin levels for various countries.
- Built a survey tool for generating surveys for clients using the eProd system.
- Built a Proof of Concept desktop application for bank payments for clients in Nigeria utilizing vBank financial APIs.

eProd-Solutions Ltd

Jan 2022 - April 2022

Student Intern

Throughout the internship, I engaged in Delphi programming, and software documentation, and utilized project management tools like Jira and Trello. Responsibilities encompassed:

- Collaborated on the development of the company's Moodle e-learning site.
- Contributed to successful software documentation on various financial APIs.
- Worked on minor Delphi projects to improve Delphi and MySQL skills

Section.io

Feb 2021 - April 2022

Technical Writer(Freelance)

At section.io, I wrote tech tutorials for the Section Edge Platform, collaborated with experts, met deadlines, and consistently produced high-quality articles. I handled key responsibilities;

- Authored technical articles using Markdown language.
 - Used Python, Django Rest Framework, and React JS to build tutorial projects.
 - Conducted research for informative and engaging content.
 - Open source contribution to the section.io article GitHub repository.
 - The articles can be read from section.io platform.
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PROJECTS

- Currently working on an ERP system for farmer registration and produce collection building with Python, Django REST Framework, React JS,Postgres.
 - Inventory Forecasting Management System using Python, Django Rest Framework, React, and a trained XGBoost model for predictive analytics in machine learning.
 - Collaborated on a data-keeping management system for a university society using Python, Django Rest Framework, and React.
 - Authentication QR Code System using Python.
 - People detection and tracking system using centroid-tracker and object_trackable in Python.
 - Automated image watermarking using OpenCV in a Python project.
 - Inventory Management System using Django and Docker for containerization.
 - Contributed to the development of a Simple e-commerce micro-service app deployed on Kubernetes.
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SKILLS

- Programming Languages- Python, Delphi
 - Backend and API Development with Django REST Framework
 - Frontend Development with React JS, HTML, CSS, Tailwind
 - Databases - SQL, MySQL,Postgres
 - Agile software development methodology
 - Machine learning
 - Version Control using Git/GitHub and SVN
 - Project management tools-Jira and Trello
 - Containerization using Docker, Kubernetes
 - Experience with Linux Systems
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EDUCATION

Jomo Kenyatta University of Agriculture and Technology

Bachelor of Science in Computer Technology : 2018-2022

First Class Honours

Mastered skills encompassing software development (Python, Django), cybersecurity, containerization (Docker, Kubernetes), networking, and machine learning, complemented by web development, database management, computer graphics, and project management skills.

Worked on various projects:

- Inventory Forecasting Management System using Python, Django Rest Framework, React, and a trained XGBoost model for predictive analytics in machine learning.
- People detection and tracking system using centroid-tracker and object_trackable in Python.
- Elevator Simulator using Python and Tkinter.
- Inventory Management System using Django and Docker for containerization.

QA TestLab Certification

Fundamentals of Software Testing: 2022

Gained skills in

- Web, mobile, and game application testing. Using Bug Tracking Systems (Mantis) for bug reporting and TestLink for test case creation.
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REFERENCE

1. Sherman Ouko

Microsoft, Technical Writer

Email:oukosherman@gmail.com

2.Virginiah Periah

Safaricom PLC,Lead Software Engineer

Phone: +254704640233
