

ALVIN MWANIKI

Software Developer

PERSONAL INFORMATION

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GitHub: <https://github.com/nipsalvin> Portfolio: <http://alvin254.netlify.app>

PROFESSIONAL SUMMARY

Results-driven and passionate IT professional with 5+ years of experience in software development, system optimization, and process improvement. Skilled in designing, developing, and maintaining scalable financial solutions using modern frameworks and technologies. Skilled at troubleshooting, debugging, and enhancing existing systems to maximize performance and reliability. Demonstrates excellent collaboration through active participation in code reviews, with a commitment to delivering high-quality, secure, and innovative software solutions on time. Eager to contribute technical expertise and a growth mindset to support organizational objectives and advance personal and professional development.

TECHNICAL SKILLS

- **Programming:** Python, JavaScript, HTML, CSS,
- **Frameworks & Technologies:** Django, Flask, Node.js/Express.js, React.js, Odoo, REST APIs, Microservices Architecture
- **Testing & Quality:** Unit testing, functional and performance testing, automated tests (pytest, Selenium), test-driven development
- **DevOps & CI/CD:** Git, GitHub Actions, experience with automated deployments, release and change management, cloud deployments (AWS EC2, S3, Elastic Beanstalk)
- **Process & Methodologies:** Agile, Scrum, code reviews, Jira, Confluence, ITIL standards, documentation
- **Databases:** PostgreSQL, MySQL, SQLite; experience ensuring data integrity and optimization
- **Cloud & Containerization:** AWS, introductory knowledge of Docker/Kubernetes
- **Security:** API authentication (OAuth2, Google OAuth), best practices in secure API development
- **APIs:** Design, integration, and documentation of RESTful and SOAP APIs; API security (OAuth2, Google OAuth); Third-party API integration
- **Other:** API integration, task automation (cron jobs), analytical and problem-solving skills, strong communication and collaboration

PROFESSIONAL EXPERIENCE

Software Developer & IT Support | Dry Associates

July 2022 - Present

- Designed, developed, and implemented new features for Django-based financial applications, contributing to product innovation and customer satisfaction.
- Built a Django-based IT ticketing system that required users to provide detailed, structured issue reports—significantly increasing user trust in IT support and reducing average debugging and resolution time.
- Automated routine processes using cron jobs, reducing manual workload and improving operational efficiency.
- Executed robust web scraping solutions with Selenium and BeautifulSoup, enabling timely and accurate data collection for business intelligence.
- Diagnosed, debugged, and resolved complex system issues, ensuring high application stability and continuous service availability.
- Developed interactive data visualizations and dashboards using Matplotlib, Plotly, and Chart.js to support business strategy and reporting.
- Integrated multiple third-party APIs, expanding system functionality and supporting digital transformation initiatives.
- Conducted regular database maintenance and data integrity audits to ensure accuracy and reliability of critical business information.
- Participated in Agile development processes, including code reviews, sprint planning, and release management, ensuring on-time and high-quality delivery.

Web Developer | OwnCloud

April 2021 - July 2022

- Developed and maintained client websites using Odoo and WordPress, enhancing digital presence and improving service delivery.
- Built and managed a comprehensive school management system, streamlining administrative processes and enhancing user experience for staff and students.
- Collaborated with teams, including designers and project managers, to deliver tailored web solutions aligned with client requirements.
- Recommended and executed system improvements, optimizing website performance, security, and scalability.

EDUCATION

Bachelor of Science in Computer Science

St. Paul's University | January 2016 - August 2020

Diploma in Computer Science

St. Paul's University | January 2015 - August 2015

CERTIFICATIONS

100 Days of Code: The Complete Python Bootcamp

Udemy | March 2023 - January 2024

- **Skills:** NumPy, Pandas, Tkinter, JSON, APIs, Flask, SQLite, PostgreSQL, Web Scraping, Data Visualization
- **Repository:** <https://github.com/nipsalvin/udemy-100DaysOfCode>
- **Certificate:** <https://www.udemy.com/certificate/UC-b02f91c6-edd5-4153-910b-cdb4567b3842/>

Python Django - The Practical Guide

Udemy | February 2024 - August 2024

- **Skills:** Advanced Django Framework Development, AWS S3, EC2, Elastic Beanstalk
- **Repository:** https://github.com/nipsalvin/Python_Django-The_Practical_Guide
- **Certificate:** <https://www.udemy.com/certificate/UC-24713ce5-1e8e-47f6-9bf9-411164224625/>

Web Development Bootcamp

Udemy | September 2024 - Present

- **Skills:** HTML, CSS, JavaScript, jQuery, Node.js, Express.js, OAuth, React.js, DApp, DeFi
- **Repository:** <https://github.com/nipsalvin/Web-Development-Bootcamp>

INTERESTS

Boxing • Programming • Reading • Learning • Travelling

References available upon request