

Damian Wabwire

0044, Westlands.
Nairobi, Kenya.
(254) 700-532551
damianbwire88@gmail.com
[linkedin](#) [Github](#) [DEV](#)

SUMMARY

A proactive B.Sc. Computer Science graduate with over three years of experience in software development specializing in Django, Python, React.js, Cloud infrastructure (AWS, Docker) and business intelligence. Skilled in applying technical expertise across tech, sales, and data-driven environments, I'm eager to leverage my knowledge to tackle complex challenges with efficiency and integrity.

SKILLS

Programming Languages: Python, Javascript, Kotlin

Database: SQL, Postgres, MongoDB, DynamoDB, Redis

Technologies: Django, Docker, Git, cloud (AWS), vue.js, React.js, jquery, RESTful APIs

Soft Skills: Team Leadership, Communication, Critical Thinking, Problem-Solving, and more.

Other: System design, Relational databases, unit, and functional testing.

Work EXPERIENCE

Applications Support , Tajilabs Kenya

07/2023–Seasonal | Nairobi, Kenya

- Collaborating proactively with a distributed team to design and deploy scalable software solutions.
- Leveraging a modern technology stack, including Python/Django, React.js, Vue.js, PostgreSQL, Redis, Docker, GitHub Actions, and RESTful APIs, to build robust and scalable applications.
- Writing, testing, and documenting high-quality code to develop and enhance features.
- Building and integrating RESTful APIs to facilitate seamless communication between frontend and backend services.
- Debugging issues and engaging with a vibrant developer community to drive continuous improvements.
- Reviewing code contributions from other engineers, ensuring adherence to best practices and maintainability.
- Working with a small, passionate team to deliver software solutions across various domains, including education, healthcare, and e-commerce.
- Introducing workflows with Docker to streamline team operations and improve development efficiency.
- Implementing and advocating for comprehensive documentation practices to ensure project sustainability.

Machine Learning Associate, Digital Divide Data.

04/2024–Jan 2025 | Nairobi, Kenya

- Collected, processed, and annotated large-scale conversational datasets to enhance AI agent interactions in chatbots and NPC systems.
- Engineered AI-driven chatbots by fine-tuning NLP models to improve natural language understanding (NLU) and context-aware responses.
- Designed and optimized prompt engineering techniques to refine LLM (Large Language Model) outputs, improving engagement and coherence.
- Built and maintained data pipelines for training and evaluating AI agents, leveraging big data frameworks for scalable model development.
- Evaluated chatbot and AI agent performance using key metrics (BLEU score, perplexity, engagement rates), ensuring continuous improvement.
- Fine-tuned models to handle diverse conversational scenarios, improving NPC dialogue generation and human-like interaction.

Graduate Trainee, ICT Authority

12/2022–12/2023 | Nairobi, Kenya

- Utilized tools like ImasterNCE, Nagvis, and Nagios for comprehensive network monitoring, elevating SLA compliance.
- Led network updates for public Wi-Fi projects, improving documentation and enhancing project timelines.
- Spearheaded NOC report updates, surveys, and mapping for a public Wi-Fi project, improving project completion rates.
- Led capacity-building for NOC projects (NOFBI 1, NOFBI 2, NOFBI 2E, CCP, OGN), enhancing team expertise and customer service.
- Proficient with network monitoring tools (Wireshark, SolarWinds) and network security best practices.

PROJECTS

- **[Dirokenya](#) (Diro Jewellers)**: Developed an e-commerce platform for a Kenyan handmade jewelry brand, enabling seamless product browsing, secure transactions, and order management.
- **[surgisel limited](#)**: Built a web application for a leading importer and distributor of medical devices and hospital consumables, streamlining product listings and order processing.
- **[Cloudlink Developers](#)**: Designed and deployed a corporate web application for a software solutions company, enhancing service offerings in web development, UI/UX design, and digital solutions.
- **Hotel Booking System**: Engineered a comprehensive booking platform, allowing clients to reserve rooms, order food, and plan visits to nearby attractions.
- **E-Learning Platform**: Developed an interactive online learning system, facilitating course management, student engagement, and digital content delivery.

EDUCATION

MIT Full stack development- Emobilis Training Centre.

ProDev Back-End Web Development- ALX Africa.

Docker and Kubernetes-ALX Africa.

React js-PowerlearnprojectafricaScholarship.

Bachelor of Science in Computer Science-Kibabii University |08.2017-03.2022.

Certifications:

Cyber Ops, DevNet Coursework, Google Project Management, Google IT Support

Technical Support Fundamentals, Introduction to Cybersecurity, Linux Unhatched.

