Nicholas Biiy Bwalley

A.I. / LLM Engineer | Software Engineer

LinkedIn : https://www.linkedin.com/in/nick-bwalley-49220a269/

Email : nickbiiybwalley@gmail.com | nickbwalley@gmail.com

GitHub: https://github.com/NickBwalley/

Contacts : **+254 714 394 332 | Location : Nairobi, Kenya.**

SUMMARY

I am an AI/LLM Engineer based in Nairobi Kenya with a strong background in software engineering, specializing in building responsive web applications and seamlessly integrating impactful AI solutions into both modern and legacy systems. I design and implement advanced AI-Powered solutions through RAG techniques and fine-tuning, leveraging Agentic AI and MCP (Model Context Protocol) technologies to enhance business processes, automate repetitive tasks, and improve operational efficiency. My expertise spans diverse domains like; machine learning, deep learning, natural language processing, workflow automation, and technical integration, enabling me to develop tailored AI solutions that address complex business challenges. Notably, I am a highly skilled typist, averaging speeds of 120+ WPM, which allows me to excel under pressure and consistently meet tight deadlines without compromising quality. I am an eloquent English and French Speaker with exceptional communication skills. Additionally, I collaborate effectively using GitHub to manage projects and deliver high-impact results. Feel free to explore my GitHub to view some of my recent projects: GitHub Link.

WORK EXPERIENCE

Exchange Studies: *(August 2024 – January 2025) – Full Time*

KTH Royal Institute of Technology, (Stockholm, Sweden)

- **Sustainable Urban Planning and Development**: Developed AI and machine learning-based strategies to improve mobility and transportation in Viksjö, Järfälla Municipality, optimizing resource allocation for sustainable urban growth.
- **Advanced Interaction Programming**: Designed and implemented a fully functional e-commerce platform, *Stora Ecom*, showcasing expertise in modern web development and user experience design.
- **Internet Marketing**: Conducted in-depth research on Spotify's streaming service, proposing innovative revenue models to enhance profitability and market competitiveness.

Network Engineer *(January 2024 – June 2024) – Full Time*

Internship: Turbo G and K Networks Limited, (Nairobi, Kenya)

- Designed and installed fast, reliable internet services utilizing fiber optic cabling, increasing network efficiency by 30%.
- Developed and launched a modern, SEO-optimized website, resulting in a 40% improvement in search engine rankings and user engagement.
- Restructured network configurations from routers to splitters through ODFs, enhancing connection speed to sky-rocket by 25% for clients.
- Troubleshot and resolved technical network issues, ensuring 99.9% service uptime for users.

Cybersecurity Analyst *(September 2023 – December 2023) - Remote*

Internship: Senselearner Technologies Pvt, (Dehradun, India)

- Conducted detailed network scanning and vulnerability assessments, identifying and mitigating potential security threats to enhance system resilience.
- Performed penetration testing on web applications, delivering comprehensive reports with actionable insights to strengthen defenses and address vulnerabilities.
- Implemented advanced exploitation and post-exploitation techniques to assess and improve system security measures.
- Conducted reconnaissance testing on company test websites, ensuring robust security measures and identifying areas for improvement..

EDUCATION

Strathmore University: (Nairobi, Kenya)

- **Bachelors in Business Information Technology** (September 2021 – June 2024)
  Grade: **First Class Honors** GPA: 3.8/4.0 (A)
- **Diploma in Business Information Technology** (May 2019 – September 2021)
  Grade: **Merit (B)**

SKILLS

- **Programming Languages :** Python, JavaScript, Java, C++, PHP, R.
- **Front-End Frameworks:** ReactJS, Redux, Tailwind CSS, HTML, Bootstrap.
- **Back-End Frameworks:** NodeJS, ExpressJS, Laravel, Postman.
- **Deep Learning / M.L. Frameworks:** TensorFlow, PyTorch, Keras, Scikit-Learn
- **Databases:** MongoDB, MySQL, AstraDB.
- **AI / ML / LLM Technologies:** HuggingFace, OpenAI, Llama, Gemini 2.5-pro, Claude, Groq, Grok, DeepSeek, Mistral, LangChain, LangSmith, LangGraph NLP.

LANGUAGES

- English: C2 (Native)
- Swahili: C2 (Native)
- French: C1 (Fluent)
- Swedish: A1 (Beginner)
- Spanish: A1 (Beginner)

ACHIEVEMENTS

- Participated and published an article in the Agentic AI Challenge on March 2025 hosted by Ready Tensor: [My Publication](#)
- Dean's List Award (2021–2022): Recognized for exemplary academic performance at Strathmore University
- Dean's List Award (2022–2023): Honored for maintaining splendid grades at Strathmore University.
- 3rd Place: Weightlifting Competition, Strathmore Sports Day (August 25, 2023).

HOBBIES & INTERESTS

- Professional Fitness Coach: https://www.youtube.com/@NickBwalley
- Professional Swimmer.
- Professional Table Tennis Player.
- Magician / Cardistry / Sleight of Hand / Illusions.
- Rubik's Cube (Speed Cuber: 3x3)
- Type Master (120+ WPM)
- 8-Ball Pool Game Master.