**Nicholas Biiy Bwalley**

**AI Automation Specialist**  
**Stockholm, Sweden**  
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**Professional Summary**

AI Automation Specialist dedicated to delivering scalable, AI-powered solutions that optimize business operations and drive efficiency. Skilled in developing, integrating, and deploying AI automation models using Python, Machine Learning frameworks, and cloud technologies. Experienced in transforming business requirements into automated solutions that streamline workflows and enhance system performance.

**Technical Skills**

* **AI/ML Technologies**: TensorFlow, PyTorch, scikit-learn, Keras, OpenCV
* **Programming Languages**: Python, C++, Java
* **Automation Frameworks**: RPA (Robotic Process Automation), AI model development (supervised and unsupervised learning), NLP
* **Cloud & DevOps**: AWS (Lambda, EC2), Docker, Kubernetes
* **Data Science & Analytics**: Pandas, NumPy, SQL, ETL processes, data visualization tools (Matplotlib, Seaborn)
* **Development Tools**: Jupyter Notebooks, Git/GitHub, CI/CD pipelines

**Professional Experience**

**AI Automation Specialist (Freelance Projects)**

**Remote** | **Jul 2024 – Present**

* Designed and implemented AI-powered automation models for clients, increasing workflow efficiency by over 35%.
* Deployed machine learning models on cloud platforms (AWS, GCP) to automate repetitive business processes such as data entry, monitoring, and report generation.
* Integrated NLP algorithms for automating customer support systems, reducing human intervention by 40%.
* Utilized Docker for containerized deployments, ensuring scalability and maintaining consistency across environments.

**Network Engineer & AI Developer**

**Turbo G and K Networks Limited** | **Nairobi, Kenya** | **Jan 2024 – Jun 2024**

* Developed AI automation solutions to monitor network performance and proactively identify and resolve issues, improving system uptime by 20%.
* Implemented Python-based models for predictive analysis, optimizing service delivery for clients and reducing response times.
* Collaborated with cross-functional teams to integrate AI solutions into existing business infrastructure, aligning technology deployment with strategic business goals.

**Cyber Security & AI Automation Analyst**

**Senselearner Technologies Pvt** | **Remote** | **Sep 2023 – Dec 2023**

* Conducted AI-driven penetration testing and network scanning, automating threat detection and response, resulting in a 50% reduction in manual intervention.
* Developed scripts for real-time data processing and anomaly detection using Python and AI models, enhancing security monitoring systems.
* Wrote comprehensive technical reports outlining automated solutions and their impact on enhancing system security.

**Education**

**Bachelor’s in Business Information Technology**  
Strathmore University, Nairobi, Kenya | **Sep 2021 – Jun 2024**

* **GPA**: 3.8/4.0
* Relevant Courses: AI & Machine Learning, Business Process Automation, Data Science

**Diploma in Business Information Technology**  
Strathmore University, Nairobi, Kenya | **May 2019 – Sep 2021**

**Projects & Achievements**

* **AI Customer Support Automation**: Developed and integrated NLP models into customer service systems, improving query response times by 60%.
* **Network Monitoring Automation**: Created AI scripts for predictive monitoring of network traffic, reducing downtime by 20%.
* **Dean’s List Award** (2021–2023): Recognized for outstanding performance in AI and software development courses.

**Languages**

* English (Native), Swahili (Native), French (Proficient), Swedish (Beginner)

**Interests**

* AI model development, automation technology, cloud-based solutions, and open-source projects.