**Nicholas Biiy Bwalley**

**Full Stack Software Engineer**  
**Stockholm, Sweden**  
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**Professional Summary**

Full Stack Software Engineer specializing in the MERN stack (MongoDB, Express.js, React.js, Node.js) and AI automation technologies. Experienced in building and deploying scalable web applications, with additional expertise in Python, C#, and C++. Focused on developing AI-powered solutions to automate workflows and optimize system efficiencies. Adept in collaborative team environments using tools like Git and GitHub for seamless integration and development.

**Technical Skills**

* **Front-End**: React/Redux, NextJS, TailwindCSS, HTML, CSS, Bootstrap, JavaScript
* **Back-End**: Node.js, Express.js, Java, REST APIs, MySQL, MongoDB
* **Frameworks**: MERN Stack, Next.js, Laravel
* **Development Tools**: Postman, Docker, Git/GitHub, CI/CD pipelines
* **Programming Languages**: Python, C#, C++
* **Cloud & DevOps**: AWS (deployment, server management), GCP, Docker
* **AI/ML Technologies**: AI automation frameworks, Python-based AI development for workflow optimization

**Professional Experience**

**Full Stack Developer (Freelance Projects)**

**Remote** | **Jul 2024 – Present**

* Developed full-stack web applications using React for the front-end and Node.js for the back-end, optimizing performance and user experience.
* Integrated AI automation models into applications to streamline repetitive tasks, resulting in a 25% increase in development efficiency.
* Collaborated with clients to identify software and automation requirements, delivering tailored solutions that integrated AI models for data processing and workflow optimization.
* Utilized Git and CI/CD pipelines for continuous integration and deployment, streamlining code management and application deployment.

**Network Engineer & Web Developer**

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

* Led the revamp of the company’s website using React and Node.js, transforming it into a dynamic platform that improved user experience and increased site traffic by 15%.
* Implemented server-side features using Node.js and Express.js, ensuring efficient communication with databases and secure data handling.
* Developed and integrated AI automation scripts to monitor network performance, improving issue detection and resolution speed by 20%.
* Configured and managed cloud infrastructure to optimize application deployment and scaling using Docker and AWS.

**Cyber Security Analyst (Software Development Focus)**

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

* Conducted penetration testing for web applications, identifying vulnerabilities and developing software patches to enhance security.
* Developed automated scripts using Python for AI-driven network scanning and vulnerability analysis, increasing threat detection by 40%.
* Wrote detailed technical reports and software recommendations that informed system upgrades and automated security patch deployments.

**Education**

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

* **GPA**: 3.8/4.0
* Relevant Courses: Software Development, Database Management, Web Technologies, AI & Machine Learning

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

**Projects & Achievements**

* **Website Revamp Project**: Led the development of Turbo G and K’s website, enhancing performance and increasing traffic by 15%.
* **AI Automation**: Developed Python-based AI automation models that reduced manual tasks by 30%, improving workflow efficiency.
* **Dean’s List Award** (2021–2023): Recognized for academic excellence in software development and AI courses.

**Languages**

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

**Interests**

* Open-source contributions, web application development, AI/ML, and fitness coaching.