

BRIAN MUSYOKI

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PROFESSIONAL SUMMARY

Full-Stack Developer & Systems Architect specializing in high-performance infrastructure, system automation, and precision-engineered web experiences. Proven track record of maintaining secure self-hosted environments, developing full-stack applications, and deploying enterprise-grade endpoint management. Analytical problem-solver bridging the gap between robust back-end systems and modern front-end design. Also very good at troubleshooting electronics devices

Technical Skills

- **Infrastructure & Cloud:** Ubuntu/Linux, Cloudflare Zero Trust Tunnels, Microsoft Azure, Active Directory, EntraID, Microsoft Intune, Gunicorn, systemd
- **Programming & Development:** Python, JavaScript (ES6+), PHP, SQL, HTML5, Tailwind CSS, Java, C# (Unity)
- **Automation & Analytics:** PowerShell, Power Automate, Tableau, Power BI, Firebase Analytics
- **Tools & Design:** Git, Web3Forms API, Adobe Photoshop, Premiere Pro

Featured Engineering Projects

Enterprise Home Lab & Portfolio OS (brianmusyoki.com) | *Ubuntu, Cloudflare, Python, JS, Tailwind*

- Architected and deployed a highly secure, self-hosted web server running Linux Server, utilizing Gunicorn daemons and systemd for persistent high availability.
- Engineered a secure reverse proxy via Cloudflare Zero Trust Tunnels, securely exposing local IPv4 loopback ports to the public internet without opening local firewall ports
- Developed a responsive, interactive frontend featuring a custom-built JavaScript "Terminal OS" capable of command parsing, dynamic DOM manipulation, and secure file payload delivery.
- Integrated a serverless Web3Forms API to handle encrypted POST requests and cross-origin resource sharing (CORS) for direct support ticket routing

PROFESSIONAL EXPERIENCE

Systems Support Specialist (Part-Time) | Missouri State University

Feb 2024 – Present

- **Systems & Automation:** Engineered and fully integrated an automated support routing system using Power Automate, drastically streamlining ticket turnaround time and operational efficiency.
- **Security & Compliance:** Administer enterprise-level user and group data via Active Directory, EntraID, and Microsoft Intune, including zero-touch endpoint deployment using Windows Autopilot.
- **Scripting & Productivity:** Developed and deployed division-wide PowerShell scripts to automate repetitive administrative tasks and enforce security compliance
- **Troubleshooting & Support:** Set up, troubleshoot, and maintain network hardware, software, and systems, including printers and scanners, ensuring seamless functionality and efficient IT operations for users
- **Technical Training & Mentorship:** Training users in lab-based courses on utilizing digital audio, video, and editing equipment, enhancing their technical skills and supporting Classroom Technology Integration
- **Documentation & Knowledge Sharing:** Create comprehensive documentation for instructions and research processes, facilitating knowledge sharing and the establishment of best practices within the team
- Collaborated with the unit supervisor and faculty/staff to continuously assess and improve technical support services, contributing to strategic management and ongoing system refinement

- Executed the deployment and network configuration of 50+ enterprise machines, maintaining a 95% first-contact resolution rate across 100+ technical support tickets.
- Administered and maintained departmental web pages utilizing CMS with custom code, WP Engine and Elementor, ensuring optimized content delivery and high uptime.
- Designed and created more than 10 Dynamic forms, improving data collection efficiency and user interaction.
- Conducting data analytics research contributing to economic development initiatives, providing valuable insights for informed decision-making.

Lead Game Analyst | Maliyo Games**January 2023 – August 2023**

- Analyzed game data to identify patterns and trends in player behavior, metrics, and feedback.
- Provided data-driven insights and recommendations to the development team for improving game performance and player experience.
- Integrated analytics systems into games, ensuring proper tracking of key performance indicators (KPIs) and supporting data-driven decision-making throughout the development process.
- Achieved a remarkable 20% increase in game revenue within two months of joining the role by successfully conducting A/B testing on a highly popular game mode. Implemented additional engaging content to the mode based on comprehensive player interaction analysis, resulting in improved player retention and monetization.

Game Developer/Designer | Maliyo Games**August 2022 – January 2023**

- Collaborated with a team to rapidly prototype and develop game concepts within a 4-month timeframe.
- Provide data-driven insights and recommendations to the development team for improving game performance and player experience.
- Ensured the smooth integration of gameplay mechanics, art assets, and audio elements during the prototyping phase.
- Conducted playtesting sessions and gathered feedback.

System Admin/Full-Stack Developer | Niah By Design**August 2021 – January 2022**

- Initiated, designed, and developed a full-stack Point of Sale (POS) system from scratch using PHP and SQL, successfully digitizing the company's manual sales and inventory processes.
- Spearheaded sales efforts as the main representative for the company, achieving sales targets and fostering strong relationships with clients.
- Provided exceptional customer care and support, ensuring high levels of customer satisfaction through prompt resolution of inquiries and concerns.
- Managed the end-to-end order process, from taking customers' orders to ensuring timely and accurate fulfillment, ensuring a seamless customer experience.
- Monitored and maintained inventory levels, ensuring optimal stock availability to meet customer demands. Generated weekly reports to facilitate informed decision-making and stock management.

EDUCATION**Master of Science in Information Technology***Missouri State University - Springfield, MO.***Graduated May 2025***GPA 3.75***Bachelor of Science in Computer Science***St. Paul's University - Nairobi Kenya.***Graduated Aug 2022***GPA 3.4*

COMMUNITY & VOLUNTEERING

Peace Corps Prep Program Committee Member | Missouri State University

- Assist in the organization and execution of Peace Corps Prep Program events, workshops, and information sessions.
- Manage program logistics, including scheduling, venue coordination, and communication with participants.
- Assisted with strategy management to increase interest in the program through strategically placed events and ad campaigns.

Mission Trip Volunteer | Chi Alpha Campus Ministry *Atlanta*

- Served the homeless by cooking meals and distributing essential items such as toiletries, fostering dignity and care.
- Worked with troubled children in after-school programs run by Pure Hope Initiative, assisting with homework and providing mentorship.
- Supported children from high-crime neighborhoods, offering guidance and encouragement to help them navigate challenging circumstances.