BREYN BUSH NAJOLI

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PROFESSIONAL SUMMARY

Versatile Control and Instrumentation graduate (Second Class Upper) from JKUAT and AWS Certified Cloud Practitioner. Combines strong technical expertise in industrial systems and network analysis with the analytical mindset required for corporate and educational environments. Gained practical experience during a traineeship at New KCC, demonstrating reliability and adaptability. Eager to leverage a unique blend of engineering discipline and modern cloud skills to solve complex problems and drive value in dynamic organizations.

ACADEMIC QUALIFICATIONS

Bachelor of Science in Control and Instrumentation Engineering | JKUAT *Date of Graduation: 5th December 2025 | Classification: Second Class Honors (Upper Division)*

- **Core Competencies:** Linear Control Systems, Industrial Automation, Digital Signal Processing, Telemetry, and Electronic Circuit Design.
- **Academic Project:** Successfully designed and implemented a microcontroller-based control system, demonstrating proficiency, sensor integration and hardware-software interfacing.

Kenya Certificate of Secondary Education (KCSE) | St. Anthony's Boys' High School - Kitale *Period: Jan 2017 - Apr 2021 | Achievement: Mean Grade B+ (Plus)*

- **Leadership:** Demonstrated early leadership and technical curiosity through active participation in Science Congress.

PROFESSIONAL CERTIFICATIONS & TECHNICAL TRAINING

- **AWS Certified Cloud Practitioner (AWS):** Equipped to deploy scalable cloud solutions, manage architecture/security, and integrate IoT devices with cloud infrastructure—a critical industry skill.
- **Modern AI Fundamentals (Cisco):** Understanding of AI algorithms, Machine Learning basics, and application in automating industrial processes.
- **Additional Tech Certifications:** Introduction to Cybersecurity (identifying network threats/security protocols), Python Programming (scripting for data analysis), and Database Management (Microsoft Access and SQL basics).

WORK EXPERIENCE Trainee | New Kenya Co-operative Creameries (New KCC) - Dandora Branch *May 2024 – August 2024*

- **Maintenance & Fault Diagnosis:** Executed routine preventive maintenance for automated milk processing lines, significantly reducing downtime, and collaborated with engineers to resolve electrical and mechanical faults in processing units.
- **Instrumentation Calibration:** Assisted in the precise calibration of process instruments (Temperature Transmitters, Flow Meters, Pressure Gauges) to ensure KEBS quality standard adherence.
- **Operations & Safety:** Monitored system performance via HMIs and PLCs, logged operational data, and strictly adhered to HSE regulations during safety audits and risk assessments.

SKILLS & EXPERTISE

- **Hardware:** Industrial Control (PLC/Ladder Logic, PID Controllers, SCADA basics), Electronics (PCB Design, Circuit Analysis, Troubleshooting), Microcontrollers (Arduino, Raspberry Pi).
- **Software & Cloud:** Cloud Platforms (AWS EC2, S3, IAM, IoT Core), Programming (Python, basic C/C++), General IT (Data Analysis, Expert Level Microsoft Office Suite).
- **Professional Attributes:** Analytical Problem Solving (diagnosing root causes), Adaptability (rapidly upskilling from hardware to Cloud/AI), Collaboration (proven team player in cross-functional teams).

LANGUAGES

- **English:** Professional Proficiency
- **Kiswahili:** Native/Bilingual Proficiency
- **French:** Basic Proficiency (Currently Enrolled)

REFEREES

Available upon request