

BRENDON BANKS

Charlotte, NC

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BACKGROUND

Experienced technology enthusiast with a background in automation, system optimization, and security. Experienced in enhancing system performance and supporting technical teams, with a strong foundation in programming and system analysis. Skilled in writing complex queries, troubleshooting, and collaborating across teams to drive operational efficiency. Adept at gathering business requirements, designing solutions, and supporting application changes in mission-critical environments. Known for strong problem-solving skills, clear communication, and delivering impactful solutions that meet both business and technical needs, with an eager drive to contribute value and continue growing.

EDUCATION

University of North Carolina at Charlotte
Bachelor of Science in Computer Science
Concentration: Cybersecurity
2023 Chancellor & Dean's List
Cum Laude

Charlotte, NC
1/2021 – 12/2023

University of North Carolina at Charlotte Continuing Education
Cybersecurity Certification

Charlotte, NC
2/2020 – 8/2020

Gaston College (double)
Associate of Science
Associate of Engineering
Honors

Dallas, NC
8/2016 – 8/2020

EXPERIENCE

Federal Aviation Administration
Technical Operations – Radar/Automation

Charlotte, NC
2/2025 – 9/2025

- Managed radar systems for air traffic control, ensuring their reliability and seamless operation to support national aviation safety and efficiency.
- Spearheaded automation projects to improve radar data processing and enhance response times, boosting overall system performance and minimizing the need for manual intervention.
- Worked closely with cross-functional teams to design, implement, and troubleshoot automated systems, ensuring they met FAA standards and security requirements.
- Used advanced diagnostic tools to monitor system performance, addressing technical issues quickly to minimize downtime and keep radar systems running smoothly.
- Implemented cybersecurity measures to safeguard radar and automation systems from potential threats, in line with FAA's cybersecurity protocols.
- Developed and maintained system documentation, including technical specs, process workflows, and troubleshooting guides, to support ongoing operations and future upgrades.
- Coordinated regular system updates and patches, ensuring radar and automation technologies remained current with industry standards and compliance requirements.
- Evaluated system performance metrics and created reports to inform leadership on radar system health, automation improvements, and areas for efficiency gains.
- Investigated root causes of radar system malfunctions and automation failures, implementing corrective actions to prevent recurrence and optimize operations.

Electrolux
Server Administrator Intern

Charlotte, NC
8/2022 – 12/2022

- Managed and maintained a numerous network of servers across many locations.
- Installed, configured, and optimized server operating systems.
- Monitored server performance and performed routine maintenance to ensure uptime.
- Worked with teams to quickly resolve server issues.
- Implemented strategies for backup and disaster recovery to prevent data loss and downtime.
- Documented server configurations, procedures, and troubleshooting steps.

Network Administrator Intern

- Installed and configured routers, switches, and firewalls for efficient data transmission and performance.
- Implemented security measures like VPNs, VLANs, and encryption to safeguard against unauthorized access and breaches.
- Performed regular audits to assess network health, identify vulnerabilities, and recommend improvements.
- Managed vendor relationships, procured hardware and services, and ensured compliance with contracts and budgets.
- Assisted users and IT staff with network-related issues, providing timely solutions.
- Maintained network configuration records and procedures to ensure smooth knowledge transfer and operations.

TECHNICAL SKILLS

- Operating Systems** - Microsoft Windows, Linux, & Cisco IOS
- Computer Programs** - Microsoft Office, Command Line (Command Prompt, PowerShell, Git Bash, Docker CLI, Heroku CLI, & MongoDB Shell), Docker, MongoDB Compass, MySQL Workbench, Heroku (ClearDB), & GitHub
- Coding Languages** - PowerShell, Bash, C/C++, RISC-V, SQL, Java, Python (Flask & SQLAlchemy), HTML, CSS, & JavaScript (NodeJS, Express, & MongoDB/Mongoose)
- Cybersecurity** - Wireshark, Kibana, Splunk, Registry Editor, FTK Imager, & Autopsy
- Networking** - Imunes & SolarWinds