DARRIAN YANG

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PROFESSIONAL SUMMARY

Infrastructure Engineer with experience supporting distributed robotics infrastructure, production Linux environments, and software deployments to commercial customer sites. At Symbotic, support robotic warehouse systems, troubleshoot hardware and software faults, and develop Python tools for operational recovery. Experienced deploying vision containers to Walmart sites through the MLOps Change Request process and checking command-line results for failed robot updates.

TECHNICAL SKILLS

- **Systems & OS Administration: Ubuntu Linux, Red Hat Enterprise Linux (RHEL 8/9), CentOS, Windows, SSH, System Monitoring**
- **Scripting & Tooling: Python (Automation Scripts, Internal Support Utilities, GUI Tools), Bash/Shell Scripting, REST APIs, Power Automate**
- **Infrastructure Operations & Reliability: Distributed Robotics Monitoring, Production Troubleshooting, Incident Escalation, Recovery Workflows**
- **Software Deployment & Validation: Vision Container Deployments, Change Request (CR) Process, Post-Deployment Checks, Command-Line Log Review**
- **Observability & Telemetry: SQL, Tableau Dashboards, Sankey Workflow Analysis, Cloud UI Monitoring Consoles**
- **Platforms & Toolsets: Git, GitHub, Jira, Confluence, MySQL, SharePoint, Microsoft Teams**

PROFESSIONAL EXPERIENCE

Symbotic | Wilmington, MA

Robotics Infrastructure Engineer II | August 2025 – Present

- Continue to support periodic vision container deployments to Walmart customer sites using Ubuntu Linux, Python, and shell scripts, coordinating production changes with the MLOps team through the Change Request (CR) process.
- Run post-deployment script checks to identify robots with failed vision container updates and review command-line logs to verify deployment results.
- Own robotics infrastructure support, teleoperations, and recovery procedures across distributed automated warehouse installations.
- Monitor production systems and analyze SQL, Tableau, and Sankey data to identify

recurring faults, performance trends, and operational bottlenecks.
- Maintain Python-based support tools, technical runbooks, and escalation procedures; document and track operational issues in Confluence and Jira.

Symbotic | Wilmington, MA

Robotics Infrastructure Engineer | August 2024 – August 2025

- Executed overnight vision container deployments to Walmart customer sites using Ubuntu, Python, and shell scripts, following MLOps Change Request procedures.
- Checked deployment script output and logs to identify robots with failed updates and flag systems requiring follow-up.
- Supported multi-site robotic warehouse infrastructure through production monitoring, fault isolation, and recovery of hardware and software issues.
- Collaborated with software and operations teams on production troubleshooting, tooling updates, and operational improvements.

MIT Lincoln Laboratory | Lexington, MA

System Administrator Co-Op (Group 92) | September 2023 – January 2024

- Provisioned and configured a Red Hat Enterprise Linux 9 virtual machine to host an internal web application using Node.js, Express, React, and MySQL.
- Configured REST API endpoints and SSL/TLS certificates for secure application access.
- Performed OS patching, system imaging, hardware troubleshooting, and workstation deployments.
- Held a U.S. Secret security clearance during the co-op.

TECHNICAL PROJECTS

Full-Stack Internal Board Application | *RHEL 9, Node.js, Express, React, MySQL, SSL*

- Built and hosted a web application on a RHEL 9 virtual machine with React, Node.js, Express, and MySQL.
- Developed eight REST API endpoints to retrieve application data from MySQL.
- Configured SSL certificates to secure the application.

EDUCATION & CERTIFICATIONS

Wentworth Institute of Technology | Boston, MA

Bachelor of Science in Computer Science | Graduated: August 2024

- **Relevant Coursework:** Operating Systems, Data Structures & Algorithms, Software Engineering, Database Systems, Network Architecture