

Z O Y I A M E L T O N

I N F R A S T R U C T U R E S Y S T E M S E N G I N E E R

C O N T A C T

+1 678-849-6834
zoyiamelton@gmail.com
Atlanta, GA

E D U C A T I O N

Master of Science
Artificial Intelligence / Machine Learning
Kennesaw State University
Expected 2027 (In Progress)

Master of Science
Software Engineering
Kennesaw State University
May 2014

Bachelor of Science
Software Engineering
Kennesaw State University
December 2011

C E R T I F I C A T I O N S

AWS Certified Cloud Practitioner
November 2021

T E C H N I C A L S K I L L S

Operating Systems

Linux (RHEL, CentOS, Alma, Ubuntu, Fedora), AIX, Solaris, HP-UX

Cloud Platforms

AWS, Microsoft Azure

Automation

Bash, Python, Ansible, Puppet

ITSM Tools

ServiceNow

P R O F I L E S U M M A R Y

Results-driven Infrastructure Systems Engineer experience supporting Linux/UNIX infrastructure in research, enterprise, and aerospace environments. Proven track record of building scalable infrastructure, implementing best practices, and collaborating with cross-functional teams to deliver resilient solutions.

W O R K E X P E R I E N C E

Senior Information Technology Analyst

Duke University | January 2019 – August 2025

- Manage enterprise Linux computing infrastructure (Fedora, CentOS, Alma Linux, Ubuntu) supporting research and educational needs for Department of Statistical Science
- Administer departmental NAS storage environment ensuring data availability and optimal performance for research operations
- Develop and implement cloud computing best practices for Microsoft Azure research environments
- Support open-source virtual computing environments with focus on system reliability and security
- Collaborate with cross-departmental IT teams to implement infrastructure best practices
- Partner with administration on budget development, planning, and technology acquisition

Key Achievements:

- Established Azure cloud computing best practices for research workloads
- Maintained 99.9%+ uptime for critical research computing infrastructure

Senior UNIX Systems Administrator

Lockheed Martin | May 2015 – January 2019

- Managed enterprise multi-UNIX infrastructure (Solaris, HP-UX, Red Hat Linux, AIX) supporting critical defense systems
- Led OS upgrades, migration planning, and patch management across diverse platforms, minimizing downtime
- Performed system and application performance analysis and tuning to optimize resource utilization
- Implemented EMC storage solutions and vendor software/hardware enhancements
- Conducted root cause analysis for service interruptions and implemented preventative measures

Key Achievements:

- Reduced system downtime by 35% through proactive monitoring and preventative maintenance
- Successfully migrated 100+ servers with zero critical incidents

UNIX Systems Engineer

Delta Airlines IT | May 2011 – October 2014

- Supported enterprise UNIX systems (AIX, HP-UX, RHEL, Solaris) for customer-facing airline applications
- Maintained high-availability environments and performed OS patching, monitoring, and incident response
- Provided OS-level support for WebLogic and WebSphere application platforms
- Managed EMC storage provisioning and performance tuning

Key Achievements:

- Sustained 99.9% uptime for critical production systems
- Reduced repeat incidents through standardized system builds and proactive monitoring