

# 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

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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