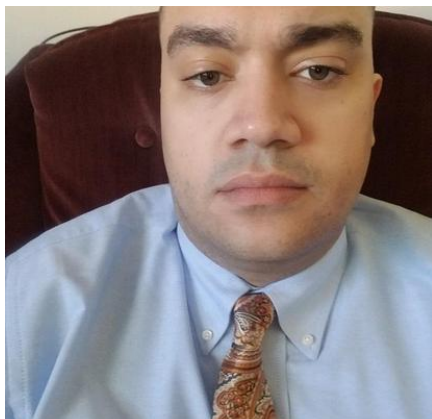


MICHAEL TATUM

#> Linux && Security;



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CLOUDS

DigitalOcean
Azure
OVH
SoYouStart
Heroku
MLab
Oracle
AWS
GoDaddy
HostGator

OPERATING SYSTEMS

RedHat (RHEL)
Oracle Linux (OEL)
Fedora
Rocky
Debian
BlackArch
Kali
TAILS (TOR)
DBAN
ShredOS
BackBox
TurnKey
Windows

SKILLS

Bash
GParted
CloneZilla
BackupNinja

SUMMARY

A skilled systems engineer with wide-ranging experience in Linux-based environments, specializing in cloud infrastructure management, cybersecurity, and system optimization. Competence demonstrated through roles overseeing multi-cloud environments, managing international data centers, and automating systems administration using tools such as Bash scripting, Ansible, and Salt. Proven expertise in network monitoring, Apache server hardening, database optimization (MariaDB/MySQL), and advanced routing solutions with F5 and Nginx for secure and scalable system architectures. Seeking opportunities to advance enterprise-level infrastructure reliability and security within dynamic cloud or on-premise environments.

CERTIFICATIONS

- | | |
|--------------------|--|
| Sep 2024 - Present | AZ-900: Azure Fundamentals
Microsoft |
| May 2012 - Present | Linux/UNIX Server Administrator Certificate
Gwinnett Technical College |
| May 2011 - Present | PC Repair and Network Technician Certificate
Gwinnett Technical College |

EXPERIENCE

- | | |
|---------------------|---|
| Mar 2019 - Current | Systems Engineer II
Accruent <ul style="list-style-type: none">• Promoted to Systems Engineer II in 2022 after recognition for outstanding contributions to cloud infrastructure management.• Orchestrated multi-cloud environments, guaranteeing seamless administration within Accruent CloudOps for optimal performance and reliability.• Engineered redundant international data centers to empower globally distributed applications using Java and Apache Tomcat.• Fortified RedHat Linux, CentOS Linux, and Oracle Enterprise Linux systems, prioritizing stability and security.• Executed proactive cybersecurity vulnerability scanning and patching to uphold compliance and shield infrastructure.• Implemented and fine-tuned F5 routing and load-balancing solutions to streamline traffic management across systems.• Developed and deployed automated systems administration tasks using Bash scripting, Ansible, and Salt, boosting scalability and operational efficiency. |
| Mar 2016 - Feb 2019 | Linux Systems Engineer
MicroAssist <ul style="list-style-type: none">• Spearheaded and executed the complete migration of on-premises Linux infrastructure to the DigitalOcean Cloud—all single-handedly.• Architected and sustained cloud infrastructure within a Linux-based environment, specializing in RHEL systems.• Launched and administrated network monitoring and logging systems to maximize performance and fortify security.• Engineered, secured, and optimized Apache web servers to accelerate performance and neutralize vulnerabilities.• Governed diverse server platforms, including Moodle LMS, WordPress, Drupal, Redmine, and Jira, ensuring seamless operation.• Tuned and safeguarded MariaDB / MySQL databases to bolster application functionality and data integrity.• Audited network configurations with Nmap scripts, documenting 100+ network devices; maintained documentation to ensure compliance with industry security standards.• Employed Nginx for robust proxying and load balancing to construct a scalable system architecture. |

Hardware
Networking
Apache
NGINX
NMap
ZenMap
RKHunter
Lynis
Siege
MySQL / MariaDB
VirtualBox
Moodle
Wordpress
Drupal
Jira
Redmine
IPTables
Firewalld
F5
Cockpit
SSL/ TLS
Let'sEncrypt
SaltStack
Ansible
Vulnerability Assessment
Penetration Testing
Network Security
Application Security

**Jun 2015 -
Mar 2016**

EMT+

[Astreya at Google](#)

- Delivered expert technical support and maintenance within a MacOS Google corporate domain environment, maximizing system and equipment functionality.
- Diagnosed, repaired, and upgraded hardware to preserve the integrity of operational infrastructure.
- Orchestrated operating system and software updates to enforce compliance with Google corporate standards and security protocols.
- Mitigated networking system issues by pinpointing connectivity problems and implementing solutions to minimize downtime.
- Streamlined CAMP inventory management processes for IT assets, guaranteeing accurate tracking and equipment availability.
- Triaged and resolved user support requests via Help Desk ticketing systems, expediting technical solutions to elevate end-user productivity.

**Aug 2015 -
May 2016**

Adjunct Professor

[Austin Community College](#)

- Prepared comprehensive instruction on Linux and UNIX systems, focusing on practical applications and theoretical concepts.
- Designed and arranged curricula to address diverse student learning needs in alignment with academic standards.
- Facilitated classroom discussions and hands-on labs, enhancing students' technical proficiency with operating system environments.
- Assessed student performance through tailored assignments, exams, and feedback to ensure mastery of subject matter.
- Maintained up-to-date knowledge of industry trends to provide relevant and current course content.
- Promoted a collaborative learning environment by encouraging active participation and peer interaction during lessons.

**Feb 2012 -
May 2015**

Desktop Technician

[Peniel Solutions](#)

- Sustained and troubleshooted a Windows 7 corporate domain environment, ensuring system stability and compliance.
- Pioneered a streamlined update process for all company-approved software, reducing update time and fortifying consistent security protocols.
- Accelerated workstation support, including hardware installation, diagnostics, and repairs, adhering to company protocols.
- Configured network settings and corrected networking issues to guarantee seamless connectivity and user productivity.
- Started mobile device management strategies and secured devices within the corporate infrastructure.
- Optimized backup management processes and refined user support through Help Desk ticketing systems for rapid issue resolution.

**Aug 2006 -
Feb 2012**

PC Repair and Network Technician

[Freelance](#)

- Conducted operating system maintenance and management to ensure optimal performance and reliability in both commercial and SOHO environments.
- Performed software installation, updates, and troubleshooting to resolve technical issues efficiently.
- Devised networking support, including configuration, optimization, and troubleshooting of connectivity problems.
- Diagnosed and repaired hardware issues to restore functionality across PCs and related devices.
- Enacted preventive measures to maintain the stability and security of systems and networks.
- Advised on best practices for system upgrades and network improvements to meet user needs effectively.

EDUCATION

**Aug 2012 -
May 2015**

BS - Information Technology: Systems and Security

[Georgia Gwinnett College](#)

**Aug 2010 -
May 2012**

AAS - Linux/UNIX Networking

[Gwinnett Technical College](#)