

# MICHAEL TATUM



#> Linux && Security;



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## OPERATING SYSTEMS

- RedHat
- Oracle Linux
- Fedora
- Debian
- BlackArch
- Kali
- TAILS (Tor)
- DBAN
- ShredOS
- BackBox
- TurnKey
- Windows

## CLOUDS

- DigitalOcean
- Azure
- OVH
- SoYouStart
- Heroku
- MLab
- Oracle
- AWS
- GoDaddy
- HostGator

## SUMMARY

- Specializing in optimizing and hardening systems for efficient operations.
- Extensive experience in secure cloud migrations, maximizing business value.
- Expertise in preparing geographically-varied, redundant data backups.
- Designing, implementing, and securing custom high-availability server builds.
- Crafting and securing custom routing and traffic distribution solutions.
- Managed hosting and site administration for over 100k users.
- Proficient in automating tasks using Ansible, Bash shell scripting, and related tools at scale.
- Verifying security configurations with Linux auditing tools at scale.
- Ensuring server reliability and uptime under stress with load-testing tools.
- Visualizing and sharing business-critical data with monitoring and graphing tools.

## 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](#)
  - Multi-cloud administration, Accruent CloudOps
  - Redundant international data-center administration
  - Globally distributed applications, Java and Apache Tomcat
  - RedHat Linux administration
  - CentOS Linux administration
  - Oracle Enterprise Linux administration
  - Cybersecurity vulnerability patching and scanning
  - F5 routing, load-balancing, and administration
  - Bash Shell systems automation
  - Systems configuration and administration at scale with Ansible and Salt
  - IoT sensor server administration
- Mar 2016 - Feb 2019** - Linux Systems Engineer  
[MicroAssist](#)
  - Cloud Infrastructure administration
  - RHEL environment administration
  - Network monitoring and logging
  - Apache web server management and hardening
  - Moodle LMS server management
  - Wordpress server management
  - Drupal server management
  - Redmine server management
  - Jira server management
  - MariaDB / MySQL database management
  - NMap / ZenMap network enumeration
  - Nginx proxy and load balancing
  - Server stress testing / bench-marking
  - Server security and auditing

# SKILLS

Bash  
GParted  
CloneZilla  
BackupNinja  
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

**Aug 2015 -  
May 2016**      **Adjunct Professor**  
[Austin Community College](#)

- Linux / UNIX

**Jun 2015 -  
Mar 2016**      **EMT+**  
[Astreya at Google](#)

- MacOS corporate Domain environment
- Equipment maintenance and support
- Hardware support
- Operating system / software maintenance
- Networking support
- Inventory management
- Help Desk / Ticketing
- User support

**Feb 2012 -  
May 2015**      **Desktop Technician**  
[Peniel Solutions](#)

- Windows 7 corporate Domain environment
- Operating system / software maintenance
- Workstation support and security
- Networking support
- Hardware support
- Mobile devices support and security
- Backup management
- Help Desk / Ticketing
- User support

**Aug 2006 -  
Feb 2012**      **PC Repair and Network Technician**  
[Freelance](#)

- Operating system maintenance and management
- Software maintenance and management
- Networking support and troubleshooting

# 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](#)