**MICHAEL S. MASON, Automation & InfraSec Manager**

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**Favorite Quote:** “If you want a job done – and done right – hire a veteran.” – President Obama #SOTU

**Objective:** To leverage over a decade plus of experience in Automation and Infrastructure Security to lead enterprise-wide IT initiatives that enhance operational efficiency, strengthen cybersecurity posture, and drive digital transformation. My goal is to architect and implement resilient, scalable infrastructure solutions while fostering a security-first culture through automation, risk management, and cross-functional collaboration.

**Work Experience**

07/2018 – 12/2024 | Automation & InfraSec Manager, Widney LLC | Remote, CA, USA

Assigned in support of the following remote entities: StrongBlock(.com) and Merom(.ai)

* Leveraged AWS and GCP Cloud offerings utilizing Docker, Kubernetes, and Rancher to enhance application deployment, resulting in a 50% reduction in deployment time and improved scalability.
* Drove the planning, deployment, and maintenance of cloud infrastructure on AWS, optimizing for high availability and cost efficiency.
* Executed Terraform and AWS CloudFormation, attaining 90% automation in infrastructure provisioning while significantly minimizing manual configurations.
* Instituted security protocols utilizing AWS Security Hub, IAM policies, and Cloudflare’s firewall solutions to safeguard against DDoS attacks and other vulnerabilities.
* Diagnosed and executed cost-saving opportunities, achieving a 20% reduction in infrastructure costs through reserved instances, spot instances, and efficient cloud storage management.
* Formulated a comprehensive monitoring framework using CloudWatch and Grafana, decreasing incident response time by 40% while ensuring uptime SLAs.

01/2018 – 07/2018 | Infrastructure Automation Engineer, BlockOne | Los Angeles, CA, USA

* Achieved a 75% reduction in deployment cycle times by effectively leading a skilled DevOps team to implement a robust CI/CD pipeline utilizing Jenkins and Git tools.
* Boosted app performance by 30% by optimizing Docker containers and deploying Kubernetes.
* Drove a 60% reduction in team workload by automating repetitive tasks.
* Collaborated closely with key stakeholders on the comprehensive design and deployment of EOS Testnets, ensuring robust security and ongoing maintenance through innovative iterations.
* Integrated Cloudflare's robust security features, including firewall rules and caching mechanisms, to mitigate potential attack vectors while elevating website performance.

08/2016 – 01/2018 | Cloud Infrastructure Specialist, TeenSafe | Santa Monica, CA, USA

* Ensured consistently optimized environments across development, testing, and production by leading the strategic transition to containerized applications utilizing Docker technology.
* Optimized site performance and security via Cloudflare for DNS management and CDN.

08/2015 – 07/2016 | Development Operations (DevOps) Engineer, Warner Bros. | Burbank, CA, USA

* Installed and maintained Confluence for a 20-member DevOps team, fostering collaboration and knowledge sharing across the entire group.
* Developed sophisticated automated configurations using Terraform templates to provision robust AWS infrastructure, including instances, ELBs, RDS, and Security Groups.
* Managed all configurations and packages through Red Hat Satellite/Spacewalk server portals, ensuring compliance with internal security protocols and timely patching of vulnerabilities.
* Participated in collaborative efforts to migrate legacy applications to the AWS Cloud as part of management’s long-term strategy while supporting various SaaS-based solutions.

06/2014 – 08/2015 | Cloud/Red Hat Administrator, SAG-AFTRA | Los Angeles, CA, USA

* Maintaining the Development, Test, and Production Linux server infrastructure environments. To include Microsoft Azure (Cloud). This includes hands-on management of Linux systems, which encompasses but is not limited to: RedHat Satellite, RedHat Kick Start, Apache, MySQL, Tomcat, Geronimo, WebLogic, VMWare,
* SAN Storage, Symantec/Veritas NetBackup, NFS, OpenLDAP, BIND/DNS, Subversion, Git, and SNMP Management, and lastly, Administrate Drupal 7.
* Assist the Network/Security team in monitoring our Riverbed to monitor, troubleshoot, and analyze our Network performance, while making sure no one is currently abusing bandwidth limitations and caps.
* Pro-active system monitoring and auditing of all event logs and Tripwire events.
* Manage trouble tickets and provide timely resolution to problems by service level agreements.
* Researched security alerts, quickly respond or recommend a course of action to IT management as threats arise. While maintaining system patches and security. Ensure compliance with best practices and regulatory requirements, such as PCI compliance.
* Participate in project planning, implementations of security updates, and patches of RHEL and Ubuntu Servers.

**Skills**

* Amazon Web Services (AWS)
* Google Cloud Platform (GCP)
* Microsoft/Win Azure (AD/SGs)
* Ubuntu 22.04, and 24.04 (LTS)
* Terraform
* Ansible
* Docker
* Jenkins
* Kubernetes
* Rancher
* Cloudflare
* AWS Security Hub
* AWS Identity & Access Management
* VPN (OpenVPN Server)
* Firewalls
* Git
* CI/CD pipelines
* GitHub Actions
* CloudWatch
* Prometheus
* Grafana
* ELK Stack
* Bash (Automation)
* Python (Beginner)
* Adaptability
* Results Orientation

**Warner Bros. – Burbank, California**

08/2015 – 07/2016 | Development Operations (DevOps) Engineer | Burbank, CA, USA

* Assigned to web hosting and supported app services, backups, networks, security, and internal audits.

**MILITARY: ASSIGNMENTS, DEPLOYMENTS, CREDENTIALS, AWARDS, AND MEDALS**

02/1995 – 10/2014 | Military Police 95/31B **|** U.S. Army Reserve

* As a Military Police officer, you protect people's lives and property on Army installations by enforcing military laws and regulations.

**Assignments:**

* Det 1, 363rd Military Police Co., Jane Lew, West Virginia
* 314th Military Police Co., Tustin, California

**Credentials:**

* Credentialed as a Qualified DoD Law Enforcement Officer

**Deployments:**

* With deployments (not limited to) Panama, Egypt, El Salvador, and Qatar

**Awards and Medals:**

* Army Commendation Medal
* Army Achievement Medal (2nd Award)
* Army Reserve Components Achievement Medal
* National Defense Service Medal (2nd Award)
* Armed Forces Reserve Medal w/“M” Device
* Army Service Ribbon
* Army Reserve Components Overseas Training Ribbon (3rd Award)

**EDUCATION AND OTHERS**

**Stratford University, Falls Church, Virginia**

Diploma, Enterprise Network Professional