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***'Talented UNIX Administrator with outstanding technical and communication skills and a strong focus on security.'***

## ---=[0x00] SUMMARY OF QUALIFICATION:=----

- Over 25 years of Systems Administration experience in multi-platform Unix, Linux and Windows environment with hands-on expertise in programing, networking, scripting, security and systems integration.
- Excellent technical skills, with strong knowledge of current and emerging technologies.
- Strong communication abilities, with history of providing on-site support to wide range of clients, creating and maintaining processes and products documentation.
- Experience working in fast-paced, 24x7 deadline-oriented environments.
- Experience working solo or part of a team and holding lead role.
- Solid background in technical support, Systems architecture, capacity planning, monitoring, automation and security.

## ---= [0x01] TECHNICAL SKILLS: =---

*(listed in order of proficiency)*

- Operating Systems: Linux, BSD, Solaris, Windows, MacOSX, AIX, HPUX
- Scripting Languages: Python, Bash, Ruby, Perl, PHP, Go, Rust
- Internet services: NginX, Apache, Postfix, Bind, DJBDNS, Sendmail
- Deployment tools: Ansible, Terraform, Puppet, Chef, Kickstart, Cfengine
- Application stacks: LAMP, Flask, Websphere, Jboss, Tomcat, Ruby on Rails
- Monitoring solutions: Prometheus, Grafana, Elasticsearch, OMD, Nagios, Cacti, Splunk, OpenNMS, Groundwork, Zabbix
- Security tools: Qualys, Nessus, Metasploit, Backtrack / Kali, Tripwire, Snort, BroIDS, Core Impact
- Networking: TCP-IP, UDP, iOS, CatOS, SNMP, BGP, RIP, OSPF
- Storage Technologies: Emc<sup>2</sup>, Netapp
- Databases: Mysql, Postgresql, Oracle
- Datastore: noSQL, Hadoop, MongoDB
- Cloud Technology: AWS, Google Cloud, Azure

## ---= [0x02] EXPERIENCE: =---

----- [ ***Cisco Meraki*** ]

Location: San Francisco, CA   +=  Dates: 06-2020 to present

Position: SecDevOps Tech lead / Detection and Response Sr. engineer

### *Technical details:*

-Operating Systems: Debian, Ubuntu, MacOS

-Scripting: Python, Bash, Ruby and a little bit of Go and Rust

## -Application Layer: Python

-Tools used: Qualys, Digicert, Elasticsearch, AWS

*Work Description:*

- Joined the DnR team to add development capabilities to the team
- Interact with various APIs to centralize detection events
- Taking part in Incident response in a technical capacity
- Offer secure development assistance and recommendation to engineering team
- Analyze / test security posture of the company
- Improve and secure processes used by engineers across teams
- Offer leadership and guidance to the rest of the team

*Projects:*

- Rework our systems inventory in a way where Security can augment the data
- Centralize alerting and event detection
- Perform manual security audit and vulnerability verification (cross team project)
- Create an alerting framework for expiring SSL and PKI certification with remediation
- Create a management system for inventorying certificates across all our assets
- Create a Web UI for engineers to create and update their secrets
- Work on getting Meraki ready for FedRamp certification
- Improve CI/CD pipelines to inject more security related detections
- Improve secure development practices and tooling

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**,---- [ Cisco Meraki ]**

Location: San Francisco, CA   +  Dates: 10-2018 to 06-2020

Position: Sr. Devops Engineer - Observability

*Technical details:*

- Operating Systems: Debian, Ubuntu, MacOS
- Scripting: Python, Bash, Ruby
- Application Layer: Ruby
- Tools used: Graphite, Grafana, Prometheus, Elasticsearch

*Work description:*

- Part of a new small team with the goal of improving metrics visualization.
- Find or create solution to observe application metrics
- Find or create solution to observe systems / network metrics

*Projects:*

- Migrate away from Graphite onto more performant solution
- Bring up Elasticsearch cluster and associated tools to capture logs from various sources
- Setup Alerting based on gathered metrics to identify deviation
- Setup Alerting based on log events or process behavior
- Taking part in other more general SRE tasks to ensure site availability and growth.

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**,---- [ Studyblue, Inc. ]**

Location: San Francisco, CA   +  Dates: 03-2017 to 10-2018

Position: Lead DevOps Engineer

*Technical details:*

- Operating Systems: AmazonLinux
- Scripting Languages: Python, bash
- Application Layer: Java
- Tools used: Bamboo, Ansible

*Work description:*

- Responsible infrastructure in AWS (EC2/ S3 / ECS / RDS / ...)
- Monitoring and alerting on vital metrics (Sysdig, Cloudwatch, Newrelic)

- Updating and creating automation using Python
- General infrastructure tasks with focus on Operations and Security.

*Projects:*

- Update our deployment pipeline
- Make code deploys more reliable and less time consuming.
- Redesign our monitoring stack
- Create a lot of scripts to make people's lives easier

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[ **Hipmunk - Consur - SAP** ]

Location: San Francisco, CA   +=+ Dates: 05-2016 to 03-2017

Position: Senior Devops engineer / SRE

*Technical details:*

- Operating Systems: CentOS
- Scripting Languages: Bash/Zsh, Ruby, Python
- Application Layer: Python
- Tools used: Jenkins, Nagios, AWS stack

*Work description:*

- Responsible for Hipmunk's production network
- Monitoring and alerting on vital metrics (Ganglia/Nagios)
- Automation by developing puppet recipes, implementing new deployment strategies.
- General infrastructure tasks with focus on Operations and Security.

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[ **Lawrence Berkeley National Labs** ]

Location: Berkeley, CA   +=+ Dates: 09-2013 to 05-2016

Position: Automation Engineer / Devops Engineer

*Technical details:*

- Operating Systems: CentOS / Ubuntu / Windows
- Scripting Languages: Bash/Zsh, Ruby, Python
- Application Layer: Java
- Tools used: Puppet, lots of homegrown tools

*Work description:*

- Responsible for Labs' HR infrastructure
- Monitoring and alerting on vital metrics (OMD/Nagios)
- Automation by developing puppet recipes, implementing new deployment strategies.
- General infrastructure tasks with focus on Operations and Security.

*Projects:*

- Setting up Configuration management via Puppet
- Improve monitoring situation
- Add automation where possible

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[ **Twitter, Inc.** ]

Location: San Francisco, CA   +=+ Dates: 10-2012 to 09-2013

Position: Sr. Site Reliability Engineer (Level 3)

*Technical details:*

- Operating Systems: CentOS
- Scripting Languages: Bash/Zsh, Ruby, Python
- Application Layer: Java
- Tools used: Capistrano, Puppet, lots of homegrown tools

*Work description:*

- Responsible for Twitter's Search Group (about 1,500 servers).
- Monitoring and alerting on vital metrics (Ganglia/Nagios)
- Automation by developing puppet recipes, implementing new deployment strategies.
- General infrastructure tasks with focus on Operations and Security.

*Projects:*

- Deploying search infrastructure to our new datacenter.
- Making code deploys more reliable and less time consuming.
- Change of single source of truth and puppet magic.
- Creating a smoke-test environment based on virtualization
- Reliable on-call / alerting management

----- [ **Yammer / Microsoft.** ]

| Location: San Francisco, CA   =+=  Dates: 10-2011 to 10-2012  
| Position: Sr. Infrastructure Engineer

----- [ **CBS Interactive / CNET.** ]

| Location: San Francisco, CA   =+=  Dates: 08-2010 to 10-2011  
| Position: Sr. Unix Systems Administrator

----- [ **Wikimedia Foundation.** ]

| Location: San Francisco, CA   =+=  Dates: 03-2009 to present  
| Position: Systems Engineer

----- [ **Ip-Soft / Gap, inc.** ]

| Location: San Francisco, CA   =+=  Dates: 04-2008 to 03-2009  
| Position: Sr. Unix Systems Administrator

----- [ **Yahoo** ]

| Location: Santa Clara, CA   =+=  Dates: 11-2007 to 04-2008  
| Position: Operations Engineer

----- [ **E-Loan** - Security ]

| Location: Pleasanton, CA   =+=  Dates: 03-2007 to 11-2007  
| Position: Sr. Security Analyst

----- [ **E-Loan** - Operations ]

| Location: Pleasanton, CA   =+=  Dates: 07-2005 to 03-2007  
| Position: Unix and Web Systems Administrator

----- [ **ServePath / Coloserve** ]

| Location: San Francisco, CA   =+=  Dates: 06-2004 to 07-2005  
| Position: Sr. Customer Engineer / NOC Systems Supervisor

*The most recent version of this resume is available at <https://techunix.com>*

Cisco Confidential

## ==== [0x03] EDUCATION: ===

School: DeVry University =+= Location: Fremont, CA

Dates attended: 04-2001 to 03-2003

Major: Telecommunication Management

Graduation: 100% Technical education completed. 93% General education completed.

Awards: Repeated Dean's list appearance.

School: Rochester Institute of Technology (RIT) =+= Location: Rochester, NY

Dates attended: 09-2000 to 04-2001

Major: Software Engineering

School: Lycée Francais La Pérouse =+= Location: San Francisco, CA

Dates attended: 09-1997 to 07-2000

Major: Economics and Sociology

Graduation: 07-2000

Awards: French Baccalaureate in Economics and Sociology

School: Lycée Technique La Mache =+= Location: Lyon, France

Dates attended: 09-1995 to 07-1997

Major: Electrotechnics (Electricity / Electronics / Mechanics ) Engineering

Graduation: 08-1997

Awards: BEP - CAP in Electrotechnics (Professional Education diplomas)

## ==== [0x04] PERSONAL PROJECTS: ===-

Ampache: Assisted in the troubleshooting / development of the authentication plugin used in Ampache.

Gallery2: Create perl-scripts to programatically import and format pictures when available.

Documentation: Wrote series of tutorials to aide in the installation of a unix server and the setting up of a basic LAMP system.

Also created a tutorial on setting up Postfix with a Mysql back-end with multiple domain support and spam / virus / content filtering.

Member of / Contributor to:

- LOPSA (League of Professional Systems Administrator)
- SAGE
- USENIX

## ==== [0x05] CERTIFICATION and LICENSES: ===-

Offensive Security Certified Professional (OSCP)

Awarded: June 3rd 2007. =+= ID: OS-101-02021

Federal Communication Commission Amateur Radio Licensed

Awarded: 09-30-2008. =+= ID: K6FPV / KI6TDU

In Progress:

- CEH (Certified Ethical Hacker)
- CISSP (Certified Information Systems Security Professional)

## ==== [0x06] LANGUAGES: ===-

French spoken and written fluently.

Basic understanding of Klingon, Spanish and German.

## ==== [0x07] REFERENCES: ===-

References are available at <http://www.linkedin.com/in/azafred>

Direct contact information can be obtained upon request.

## ==== [0x08] KEYWORDS: ===-

Unix, Linux, FreeBSD, Perl, Bash, Ruby, Python, Systems, Lead, IT, Mac, OSX, Security, PHP, Analyst, Engineer, Administrator, Zsh, Open Source, AWS, Atlassian, Terraform, Ansible, Github, Gitlab, Flask, Qualys, Golang