

| -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

,----- [**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.

,----- [**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 out 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

--== [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 PROEJECTS: ==

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