

Mark Ballew

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OVERVIEW

Infrastructure Engineer with 10+ years experience in large scale automation, devops, and security.

SKILLS

Cloud Infrastructure	Terraform, AWS, Linode, OVH, Hetzner, Bare metal
Configuration Management	Ansible, Chef, Docker, Containerd
CI/CD	Github Actions, Jenkins, TeamCity
Monitoring and Logging	Spunk, Elk, CloudTrail, Logstash, Elasticsearch, Wavefront
Database	Mysql, Maria DB, Percona DB

WORK EXPERIENCE

- Spookyfox** **10/2018 - present**
CEO *San Francisco, CA*
 - Built out Terraform templates for clients using Atoms, allowing clients to stamp out large AWS infrastructure projects with more visibility and less complexity, reducing time to deploy by days
 - Built Ansible playbooks to reduce the time developers needed to get their environment up to minutes
 - Research OpenAI API and llama to get developers up to speed in a day on ChatGPT, artificial intelligence
- Okta** **08/2015– 10/2018**
Principal Devops Engineer *San Francisco, CA*
 - Helped build security devops team that reduced the amount of audit findings 90%
 - Rewrote Terraform deploy and models that reduced new builds from months to days
 - Created Ansible Python modules to support canary releases in production which reduced regressions by half
 - Built repeatable processes with DBs and Chef to make dev similar to prod, decreasing the time in one quarter
 - Created a PKI audit infrastructure to audit certificates and keys, finding was over half admin accounts idle
- Norsecorp** **08/2015 – 08/2016**
Senior Operations Engineer *San Mateo, CA*
 - Reconfigured 1000 machine data center networking, layout, racking; reducing troubleshooting time in half
 - Introduced Salt, built a deployment pipeline for new servers which allowed new products to launch in a week
 - This included the famous “Norse attack map” which my pipeline fixed downtime
- Monotype Imaging** **08/2011 – 08/2015**
Systems Architect *San Francisco, CA*
 - Migrated from bare metal to AWS, reducing costs by \$10k/mo, with no downtime
 - Built caching cluster using Varnish, reducing font farm renders from seconds to microseconds
- Oracle Fishworks** **05/2010 – 05/2011**
Senior Hardware Engineer *San Francisco, CA*
 - Research & built SunStorage development data center, 120 disk arrays, 400TB, reducing developer deploy times

Technorati Media**05/2008 – 05/2010***Senior Systems Administrator**San Francisco, CA*

- Migrated multiple 1000 node data centers to one and AWS to reduce costs by half

Wells Fargo**05/2007 – 05/2008***Senior Systems Administrator**San Francisco, CA*

- Built IDM deployment systems to eliminate one time application and system logins which increased security

University of California, OP**08/2005 – 08/2007***Senior Systems Administrator**Oakland, CA*

- Managed UC datacenter including payroll and the library, introduced Linux which reduced AIX costs millions

Desert Research Institute**08/2003 – 08/2005***Senior Systems Administrator**Reno, NV*

- Built a HPC and graphics visualization lab that was key to climate scientists publishing papers for NSF

EDUCATION

University of Nevada, Reno**Dec. 2000***B.S, Computer Science**Reno, NV***VOLUNTEERING**

- Co-founder of Chatresearch, a 600 member non-profit to get grants for member's open source projects.