

# SAUL FONTENOT-AMEDEE

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## SITE RELIABILITY ENGINEER

*Proven Success in Systems Optimization and Strategic IT Solutions*

**I am a systems engineer** with strong experience managing server infrastructures and web deployment operations across Unix, Linux, Windows and Mac OS X platforms. I effectively plan, install, configure and optimize IT and web development infrastructures to achieve high availability and performance.

**I have a proven ability to create and deliver solutions tied to business growth**, organizational development and systems/network optimization. Skilled problem identifier and troubleshooter comfortable managing systems, projects and teams in a range of IT environments.

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### IT SKILLS

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|------------------------------|---------------------------|-------------------------------|
| ★ LAN/WAN/NOC Administration | ★ Ubuntu, Oracle, Rhel    | ★ Java, TomCat, Nginx, Apache |
| ★ Project Management         | ★ Systems Installation,   | ★ Bash, Python Scripting      |
| ★ Gitlab, Git, SVN           | Configuration & Upgrading | ★ Php, MySQL, Ruby            |
| ★ Productivity Improvement   | ★ Containerization        |                               |

**DXC TECHNOLOGY/BATH IRON WORKS** — Bath, ME ■ 2020 to present

**Site Reliability Engineer** (2020 to Present)

This unique government DOD contracted environment has over 1500 virtual machines and thousands of applications used to effectively engineer battleships for the US government. I am part of a team of 12 senior systems administrators/engineers tasked mainly with patching, updating, deploying and innovating the VMware Oracle/Rhel/Windows systems. Standardized a Gitlab and Harbor deployment system for Docker Containers. I have migrated over 50 internal applications to custom containers. Implemented Tanzu Kubernetes and Gitlab runners for ci/cd. Grown the infrastructure to have less vulnerabilities and over 200 containers. Additionally deployed and maintained Siem elasticsearch setup for the in house security.

#### ***Key Contributions:***

- ★ Developed a version control system to replace svn using Gitlab. Expanded use of Gitlab for software and ship engineers as well as security.
- ★ Standardized a Unix patching system using Nessus, c3, VMware, Rhel Satellite, Oracle Enterprise Manager and bash scripting. These changes have moved the dmz and infrastructure systems into compliance.
- ★ Standardized the following : deployment and decommissioning of CIS compliant systems, release and creation of internal ssl certificates, internal uln-mirror repository, docker containers, docker registry, docker orchestration and Oracle Middleware.
- ★ Deployed/Decomissioned over 300 virtual machines to upgrade aging infrastructure.

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## **LEVEL8 DESIGN STUDIO — Portland, ME ■ 2014 to 2019**

### **Systems Engineer (2014 to 2019)**

Hired as a full-time systems engineer following initial consulting role to manage and maintain a 30+ mixed server environment (Windows/**Ubuntu** Linux), ensuring 99.9% or better uptime. Evaluate, monitor and enhance IT infrastructure with an emphasis on availability, reliability, scalability, security, data confidentiality and system integrity.

#### ***Key Contributions:***

- ★ Reengineered company's systems setup, establishing automated server generation routines, optimizing system performance, installing upgrades/patches, establishing system monitoring and maintaining security protocols.
- ★ Ensured that all server hardware, operating systems, software and procedures aligned with organizational standards and strategic business plan.
- ★ Revamped hosting infrastructure with ESXI server deployments at multiple datacenters(NY, NJ, CHI, FL) with proxy servers protecting major business assets.
- ★ Increased team productivity and automated repetitive tasks by using bash scripts to deploy rsync and svn staged changes across multiple servers.
- ★ Improved office internal structure by building a VM shared throughout the network, pushing local backups to Amazon s3 and glacier, rewiring the internal network and rebuilding/reconfiguring several internal office computers/switches/routers. All the while maintaining a stable work environment for the studio.

## **INSTABILL CORPORATION — Portsmouth, NH ■ 2012 to 2014**

### **System Administrator / Web Developer**

While helping to deploy and engineer a PCI compliant payment gateway I also evaluated, recommended and deployed web-based and network solutions. Provided strategic planning and project leadership over systems migration, configuration, administration, upgrades and troubleshooting initiatives. Led the company's business infrastructure to a net 30% increase in payment processing clients.

#### ***Key Contributions:***

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- ★ Directed the implementation and performance tuning of Windows 7 Server environment for client's global operations. Delivered a major improvement over old VPN system that catapulted productivity of remote sales force.
- ★ Drove a 25% decrease in Web site downtime by instituting a proxy load balancing system based upon multiple geo locations. Additionally, consulted worked with the web dev team to change the websites conversion rate from 5 to 20% in the first year.
- ★ Migrated 200 inbox mail from legacy mail service to dedicated mail and VOIP.
- ★ Assisted in moving the company's PCI compliance to Level 2 and 3 seamlessly without service interruption.
- ★ Built and deployed an integrated system between IRC, salesforce, VOIP and Olark to maintain, track and generate leads.

## WHAT OTHERS HAVE SAID

“ Saul is one of the kindest, most hardworking people I've had the pleasure of working with. In 2011, Saul and I worked on level-1 PCI compliance and remediation for a global payment processor. We also worked extensively on DDoS mitigation, secure systems and network architecture, as well as our own custom forward-facing reverse proxy implementation. I continued to work with Saul throughout the years and watched his web dev experience blossom into systems administration and Linux operating system expertise, with strong skills in the security and reliability spheres. I look forward to working with Saul again in the future!

“ Corey Zelinski ■ Principal Systems Engineer at Aliaswire

“ Saul is a creative, driven and passionate individual with the capability to independently find solutions to the problems he is given. It was a real surprise to be able to work so closely with a developer who understood the PCI DSS and was able to enhance overall security and stability from the end user systems to the applications. He was a pleasure to work with.

“ Mark Parraway ■ Former Security Engineer at Instabill

“ Saul is one of the most enthusiastic people I know. Full of energy, songs & smiles, Saul gets the job done without complaint. He is always engaged and engaging, doing his best to connect people he knows and do what's best for everyone, not just himself. When working with Saul, there is never a shortage of ideas. Saul brings an unequalled imagination and vision to any leadership position. While he is an apt personnel manager, he will also take on a workload that would stunt ordinary men!

“ Peter Hazen ■ Author/Musician Creative

“ I have had many occasions while working with Saul where his expertise has proven to be an invaluable resource. Not only is Saul very knowledgeable about Linux in general, Saul is very good at resolving issues quickly. Aside from all this, Saul is an all around great guy to work with and an asset to any team lucky enough to have him.

“ Paul Ishak ■ Prof.Programmer Analyst at DXC

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## ADDITIONAL IT EXPERIENCE

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*Excelled in early IT career, advancing through increasingly responsible roles including:*

GREEN SEEDS DESIGN — Wilmington, DE  
MAKE SENSE PRODUCTION — Portland, ME

**Systems Engineer, Web Developer** 2005-2020  
**Systems Engineer**, 2014

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## EDUCATION

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University of Southern Maine — Portland, ME  
**Bachelor of Arts in Anthropology/Geography**