Joanna Delaporte

On-premises and Cloud Infrastructure Architect
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EXPERIENCE

Database Engineer, Datto — *Norwalk, CT (remote)*

Oct 2018 - PRESENT

- Resolved critical production backups issue for about 20 database servers, using clusterSSH (my first hour).
- Rescued a subnet migration in progress on track to cause an application outage. Coordinated and implemented steps to maintain uptime/replication.
- Migrated Postgresql and MySQL databases across major versions of Ubuntu and database, without data loss, using Ansible. Repaired replication streams.
- Updated end-of-life Ubuntu on Docker nodes, building and deploying a new custom Docker image for several hundred live production Cassandra clusters.

Linux Engineer, Wolfram — *Champaign, IL*

Aug 2017 - Oct 2018

- Asked "Why is Alpha not in Alexa?" during my interview.
- Owned Amazon Alexa infrastructure integration - Set up VPN and MySQL servers, including initial provisioning via Cobbler, installation and configuration via Salt, MySQL users, grants, database load, and replication across AWS VPN. ~$10 million/yr.
- Maintained clustered computing on several hundred Linux servers across four co-locations in three states for Wolfram|Alpha and Wolfram Cloud, using bash, keepalived, haproxy, apache, tomcat, drbd, nfs, kvm/qemu virtual machines, ipkvm console, puppet, salt, cobbler, postfix.
- Led the team to plan forward, migrate off old tech to current, find zones to thrive, architect better knowledge and workflow, and make efficient progress.

Linux Administrator, Parkland College — *Champaign, IL*

Jan 2014 - Mar 2017

- As the only Linux admin, managed entire csit sub-domain and problems for over 10,000 users.
- Enrolled Parkland in AWS Educate grant program to reduce student costs.
- Built warm spare server, preserving accounts and files, on AWS EC2/EBS, using Ansible.
- Established backup/recovery process on tape and AWS.
- Motivated the Parkland Testing Center to become an official AWS testing site.

VoIP Engineer, ASPCA — *Urbana, IL*

2008 - 2011

- Saved $500,000 on new VoIP purchase, with greater resulting satisfaction. Learned and managed new VoIP system, IVR, dial plan.
- Designed and implemented remote (out of state) call center agents' telephony and computing environments.
- Designed and implemented high-level triage system to increase call retention, customer and employee satisfaction, and revenue.

CODE (mostly private repos)
https://github.com/jdelaporte
https://bitbucket.org/jdelaporte

CERTIFICATIONS
AWS Solutions Architect - Associate (2018)
LPIC-1 (2016)

SKILLS
Domain Administration
Server/client services, clustered computing, Cassandra, Docker, CentOS 5,6,7, Ubuntu, Slackware, **AWS**, **EC2**, Cobbler, Terraform, **Ansible**, Puppet, SaltStack, **Git**, cvs, named, bind, DNS, MySQL, Postgresql, redis, fdisk, parted, Nagios, NRPE, Zabbix, Datadog, **GNU**/**Linux**, sendmail, keepalived, haproxy, kvm virtual machine management, apache, httpd, tomcat, nfs, drbd, nis, FreeIPA/IdM server, python, java, hardware and software RAID, VoIP administration, IVR, dial plans, diagnostics.

Management Skills
Client management, customer service and IT training, **coaching**, public **speaking**, professional writing, requirements and stakeholder analysis, priority alignment, capacity planning, **migration** planning, disaster and contingency planning.

Community
AnsibleCU meetup (owner).
CU Cloud meetup (contributor).
Champaign Rotary Club (member).

Presentations
"Mjolnir and Stormbreaker: Infrastructure as Code", IT Pros Forum 2019.
"Quick Start with Terraform", IT Pros Forum 2018.
"Scratch Programming", local public libraries. 2017-2019.
"Boring Push-Ups with Ansible", IT Pros Forum, 2016.
"Poisonous Plants" at ASPCA cont. ed. seminar, 2009.
"Fundamentals of Toxicology" course.

Publications
Co-Author, "Toxic Plants" chapter in Small Animal Toxicology Essentials (Wiley-Blackwell, 2011)
Author, "Ionophore Toxicosis in the Horse" toxicology brief in the Veterinary Technician (Nov. 2006)