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# Brian Galura

Principal Enterprise Architect at LogMeln

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Brian is a public cloud architect with 15 years of software and operations experience. As an effective communicator, he has been a technical reviewer for books on AWS and Linux. Brian has presented on governance and cloud migrations at industry conferences including AWS:reInvent. At LogMeln Brian advises the CIO office on security, cost, and scalability best practices as well as facilitates collaboration with CIO functions across the organization. These efforts have measurably saved the company thousands of man-hours and materially improved their security posture.

## EXPERIENCE

### LogMeln

*Feb 2017 to Present*

#### Principal Technical Operations Architect

Serving as an architect in the CIO office I am responsible for cloud governance, architecture and vendor management for AWS, GCP and Azure. In this capacity I also serve as a trusted advisor to development teams building in cloud environments advising them on security, scale, and cost.

- given a slow error-prone IAM provisioning process, I designed a process to safely allow self-service role creation in AWS governed by approved guard rails
  - saved thousands of man-hours of time while eliminating most human-error compared to previous manual process
  - pushed the organization closer to least-privilege access in both development and production environments, improving security posture
  - removing organizational friction enabled developers to innovate more quickly resulting in more regular deployments and decreased time to first value for new projects
- adapted and evangelized a solution leveraging AWS Lambda that replaced on-demand instances with spot instances seamlessly for development environments
  - during a spot reclaim event spot instances were replaced with on-demand by the existing autoscaling group resulting in no perceived downtime
  - sought out deployments in the organization that fit the profile and lobbied the teams to adopt the approach
  - significant cost savings achieved without any developer downtime
- as a prolific user of EKS one development team had no way to ensure that running containers were trusted and from a verifiable source
  - implemented a container registry whitelist using an admission controller
  - handed off maintenance of the controller to development team
  - team is empowered to define and enforce governance rules according to best practices without modifications to their deployment pattern or manual auditing

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### ComponentOwl.com

*Jan 2016 to Present*

- acquired a small B2B software company and streamlined its operations extensively
- optimized the infrastructure to run on AWS
- business continues to provide customers with value for their legacy windows applications while maintaining favorable financial metrics

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### Citrix

*May 2012 to Feb 2017*

## Staff System Administrator

- designed CI/CD workflows for AWS infrastructure deployment
- participated in PoC for OpenStack implementation
- demonstrated migration of legacy RTC app to Docker on Mesos and Marathon
- worked with a globally distributed team supporting large SaaS applications
- designed and executed complex, global CloudStack solution as technical architect
- released internal tool in Ruby as open source plugin for Foreman:  
<https://github.com/citrix/foreman-cloudstack>
- presented at the CloudStack Collaboration conference

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## Assembla LLC

*Feb 2011 to Dec 2011*

### Consultant

- supported ruby on rails app
- participated in 24x7 operations coverage
- worked with globally distributed team

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## Citrix Online

*Mar 2008 to Feb 2011*

### Senior System Administrator

- maintained environment of 3,500 RedHat Linux 5 servers
- designed staged system patching policy and tools for release-controlled yum updates
- implemented system automation using puppet for entire environment
- served as technical lead for global DNS system and Puppet implementation
- responsible for 16 DNS servers hosting thousands zones across many datacenters
- managed complex migration of legacy DNS to modern Proteus DNS and IPAM management from BlueCat Networks
- integrated BlueCat Proteus/Adonis DNS systems with RHEL BIND slaves
- migrated 400 vms from XS4 to XS5 and consolidated storage backends from disjointed Pillar and Hitachi arrays to a single USPVM

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## Brian Squared Technologies

*Apr 2002 to Feb 2011*

### Consultant and Founder

- managed product design and deployment for several small startups
- worked with customers to define feature priority for a video-streaming startup
- defined technical requirements for onshore/offshore development team
- developed comprehensive web data-mining tools using Perl
- implemented online legal document signing interface
- developed automated interface to video upload system
- deployed full-featured Asterisk/Cisco VoIP system for a 30 person office
- migrated web, mail, VPN, and DNS services from Windows to Linux for 6,000+ domains
- utilized Xen and EC2 to bring up test and staging system stacks
- provided 24x7 server uptime and network monitoring for server installations
- installed linux-based load balancer for high-availability services
- implemented analytical graphical website traffic reporting system based on search terms and domain names for 6,000 websites using php, perl, and flash
- customized MovableType to act as a simple CMS addressed security issues and
- conducted forensic analysis of compromised servers advanced routing using the Linux kernel, traffic monitoring/shaping, QoS

- created accounting, provider search by zip code, fully user customizable order system, and many other important features required by any e-commerce system

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## **British Telecom**

*Feb 2005 to Jan 2008*

### **Senior Computer Scientist**

- implemented reports using Actuate for SLA validation
- PL/SQL development on Oracle 10g
- Solaris system administration
- worked with a globally distributed team

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## **Intel**

*2003 to 2003*

### **Wireless Test Engineer**

- platform validation for Centrino

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## **3Com**

*2000 to 2001*

### **Development Tools**

- managed Solaris and Oracle development environments
- worked with development team to implement performance testing procedures for new VoIP product

## *EDUCATION*

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## **Western Governors University**

*2013 to 2015*

### **Bachelor of Science - Information Technology - Software**

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## **Purdue University**

*2001 to 2003*

### **No Degree**

Left after second year to start freelance consulting.

## *PUBLICATIONS*

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## **Six Months into CloudStack: Lessons Learned at Citrix OSD**

*2013*

### **CloudStack Collaboration Conference**

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## **AWS VPC Buildout With Foreman Hooks for RDNS Creation**

### **dd0c.net**

Foreman is a tool I have used for a long time as an external node classifier for Puppet and its smart-proxy for integration with DNS. However when Foreman recently added support for building EC2 instances inside a VPC, I thought it was a great opportunity to use the same tool for a new buildout.

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## Learning AWS

Packt Publishing

I was a reviewer for this book.  
ISBN 9781784394639

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## Troubleshooting RHEL

Packt Publishing

I was a reviewer for this book.  
ISBN 9781785283550

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## How LogMeIn Automates Governance and Empowers Developers at Scale

2018

AWS re:Invent

[https://www.youtube.com/watch?v=le8h\\_dpqroo](https://www.youtube.com/watch?v=le8h_dpqroo)

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### LANGUAGES

**English** (Native or bilingual proficiency), **German** (Limited working proficiency), **Spanish** (Limited working proficiency)

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### CERTIFICATIONS

## AWS Certified Solutions Architect - Professional

2016

Amazon Web Services

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## AWS Certified Solutions Architect - Associate

2015

Amazon Web Services

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## Private Pilot

Nov 2015

Federal Aviation Administration

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## Oracle Certified Associate, Java SE 7 Programmer

Apr 2015

Oracle

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## Red Hat Certified System Administrator - RHCT

Aug 2009

Red Hat