

MICHAEL GARFIAS

CONTACT

mike@garfias.org

CERTIFICATIONS

AWS Certified Solutions Architect - Associate

Reg Number: 587444

SKILLS

Operating systems:
Linux (various flavors),
Solaris, Mac OSX, BSD

Languages:
Ruby, Python, Perl,
BASH, SQL, HTML

Relevant Software:
AWS, Puppet, Salt-Stack,
Varnish, Terraform,
HAProxy, Nginx, MySQL,
PostgreSQL, ISC BIND,
ISC DHCP, Nagios,
Graphite, StatsD, Postfix,
Tomcat, Munin

Other:
Fanatical devotion to
uptime, methodical
troubleshooting skills

References available
upon request

EMPLOYMENT

Site Reliability Engineer, Spoken/Avaya – March 2018 to Present

- Led Datadog, DNS migration, and Terraform migration projects
- Responsible for all production deployments

Principal Developer, Ksplice/Oracle – June 2016 to March 2018

- Wrote scripts to test operational status of Ksplice services using the Ksplice API
- Implemented HAProxy for our staging environment, to proxy HTTP and HTTPS for testing Ksplice services
- Reengineered Puppet code to use external node classifiers to enhance maintainability of puppet library

Automation Engineer, VMware – August 2014 to January 2016

- Automated deployment of VMware stack including vCenter, vShield, and ESXi using proprietary orchestration platform for vCloudAir (vCA) on thousands of Virtual Machines
- Wrote Puppet Modules and Providers to implement and configure VMware/vCA services
- Extended Puppet and proprietary automation systems
- Wrote Rspec/Zed functionality to verify auto-generated DNS data
- Wrote Rspec tests to validate plugins

Ops Engineer, Fiduciary Benchmarks (Contract) - April 2014 to July 2014

- Contractor, building AWS infrastructure and associated tools.

Sr. Ops Engineer, Living Social - December 2012 to April 2014

- Built site-wide caching proxy system using varnish, included writing chef recipes, stats collection/injection into graphite, and automated configuration and deployment
- Assisted with data center migration, moving applications, services, and infrastructure
- Managed with app deployments/configuration for Ruby on Rails apps running under unicorn
- Wrote nagios plugins to add visibility into hardware life cycles

Ops Engineer, AppFog - October 2011 to October 2012

- Rebuilt caching/load balancing layer reducing HTTP 5xx errors from > 10% of total traffic to < .5%
- Migrated 20,000 customer databases from a single RDS instance to a sharded MySQL architecture with replicated binary logs
- Acted as primary operations engineer for PHPFog product, keeping 60,000 users running
- Built EC2/VPC configurations for AppFog product
- and wrote code distribution scripts.
- Wrote deployment, monitoring, polling, and miscellaneous glue scripts using both Perl and Python.

MICHAEL GARFIAS

EMPLOYMENT

Sr. Systems Administrator, Sphere.com - March 2006 to June 2011

- Instrumental in \$25M acquisition
- Responsible for all production infrastructure
- Scaled production environment to 175+ servers in three years.
- Implemented configuration management system (Puppet) while only adding one half-time admin.
- Implemented caching proxies that reduced webserver requirements by sevenfold, saving \$.5M per year.
- Automated package building system

WebSphere Administrator, Honeywell (Contract) - July 2004 to November 2005

Systems Administrator, Fatcow Webhosting - July 2002 to July 2004

QA Engineer, Entercept Security Technologies - July 2001 to October 2001

QA Engineer, Consilient - October 2000 to June 2001

Senior QA Engineer, PGP - December 1999 to October 2000

IT Manager, PIA Communications - June 1999 to December 1999

Systems Administrator, Paragon Industries - March 1997 to June 1999

Network Technician, California State University Fresno - August 1995 to March 1997