

Simon Roberts

DevOps Engineer

Technologies / Skills

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Frisco, TX 75035

simon@sirob.dev

AWS, GCP, Kubernetes, Docker, Terraform, Vault, Consul, Ansible, SaltStack, DataDog, ELK, Solr, GitLab, GitHub, CircleCI, PostgreSQL, Redis, Memcached, HAProxy, FluentD, InfluxDB, Telegraf, Grafana, New Relic, Apollo Engine, CloudFlare, NS1, Couchbase, Fastly, Python, Ruby, Sentry, Sidekiq, uwsgi, Rails, Jira, Confluence, Linux, Nginx.

Experience

Toyota Connected / DevOps Engineer

February 2019 - PRESENT, Plano, TX

- Responsible for essential core cloud engineering infrastructure used in latest Toyota telematics systems on AWS using Terraform and GitLab CICD to deploy and manage.
- Architected new multi-tenant ELK stack across the enterprise with Terraform and Ansible.
- Designing business level KPI dashboards and billing systems.
- Responsible for deploying and managing on-premise GitLab, including training teams on CICD and in-particular Kubernetes deployments with multi-stage deploys, canaries, and review apps.
- Implemented observability and monitoring around secrets management, IaC, and other tools using DataDog and ElasticSearch.
- Volunteer member of bi-weekly company meeting leadership team.
- Filed for a USPTO patent.

Life.Church / YouVersion / DevOps Engineer

APRIL 2016 - FEB 2019, Edmond, OK

- Ensuring the core services are available $24/7$, optimizing to support loads in excess of 10,000 API requests per second with custom load-testing service in GKE.
- Implementing DevOps through the SRE concepts, to include but not limited to CI/CD, SLA, SLO, and SLI implementation with full-stack monitoring (DataDog / Telegraf, InfluxDB, Grafana), logging (LogDNA), alerting (PagerDuty) and playbooks in place.
- Working to Open Source many of our projects and talking with the community of engineers that want to engage in our OSS projects - <https://Github.com/lifechurch> & <https://opendigerati.com>.
- Re-architect applications to run on new platforms such as Kubernetes in GCP to maximize performance.

Rock Church / Technical Project Manager

SEPTEMBER 2011 - JUNE 2016, San Diego, CA

- Hands on Technical Project Manager and engineer leading various iOS & Android apps as well as other web applications leveraging many AWS services including EC2, ElasticBeanStalk, ElasticTranscoder, S3, RDS, Route53.
- Built and maintained livestream network for Internet broadcast of services to 5,000 people weekly using Akamai.
- Re-Designed corporate network to new Cisco Meraki system - WiFi & Ethernet.
- Implemented Zendesk Helpdesk and provided support for staff and volunteers to track IT related issues.
- Managed Shoretel VoIP phone system.

Inter-American Tropical Tuna Commission / IT

JULY 2010 - SEPTEMBER 2011, San Diego, CA

- Administered Microsoft Windows servers (Active Directory), Microsoft and Mac workstations for approximately 60 users.
- Provided help-desk support to all employees and visiting scientists both locally and via remote access.
- Procured new server & client hardware/software, and maintain license/warranty information.
- Implemented network monitoring and updating with Microsoft System Center Essentials & GFI LanGuard.
- Upgraded servers to Hyper-V, iSCSI SAN based system running Windows 2008 R2.
- Upgraded Microsoft SQL servers from 2005 to 2008 R2 and virtualized on Hyper-V.
- Upgraded Microsoft Exchange server from 2003 to 2010 Enterprise.

Centrinet Ltd / Systems Engineer

JULY 2010 - SEPTEMBER 2011, San Diego, CA

- Deployed and administered Microsoft Windows servers, Linux Redhat & CentOS servers.
- Maintained customer SNMP monitoring network with Solarwinds Orion for approximately 3,000 nodes.
- Analyzed, installed, secured and maintained workstations & Windows & Linux servers in NOC and data-center.
- Ensured security, reliability and functionality of the network at all times.
- Implemented and monitored secure internet access using various firewall, routing, switching and WiFi technologies including Cisco PIX/ASA, Checkpoint NG R55, and IPTables for approximately 20,000 clients across 900 multi-tenant sites.