

Thomas Hahn
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Goal

To research and write the book on practical site-reliability, through use of modern tools including virtualization and containers, big-data architectures, configuration management and service discovery.

Skills

Programming skills: Go, Python, Java, Scala, C/C++, PHP, Perl, Bash scripting, Version control (Git, Mercurial, SVN)
Network Administration: Linux, FreeBSD, OSX and Windows. NFS, SSH, Postgres, MySQL, TFTP, DHCP, SNMP, Backup tools, Power Redundancy, Recovery Planning
Build and environments: AWS, GCP, Azure, Terraform, Jenkins, Bazel, Docker

Employment History

TCB Technologies, Inc - February 2019 to Present

Devops consultant, specializing in Kubernetes, Build Systems and improving engineering productivity. Helped small teams deal with productionization issues, create maintainable infrastructure, and plan for growth.

Houseparty - February 2017 to September 2018

Ran devops at a fast moving and growing Social Media video app. Built out all backend infrastructure, including a 100+node Kubernetes cluster, Postgres, redis, Memcached, Mongo. All on AWS. Built out observability with Datadog and Prometheus monitoring stacks, Honeycomb and LogDNA integrations. Fielded developer questions and consulted on architecture and design of scalable backend systems.

Uber Inc. - September 2016 to February 2017

Wrangled cloud infrastructure. Built reporting on Uber's uptime metrics and piloted client-side metric uploads.

Interana Inc. - September 2015 to August 2015

Jack-of-all-trades devops engineer. Built cluster deployment and management systems using Python and ansible for AWS and Azure cloud environments. Cleaned up and maintained build and deploy infrastructure, development tools, and testing environments. Assisted with provisioning and deployment of mid-sized enterprise clustered systems.

Facebook, Inc. - September 2014 to April 2015

Supported and maintained large data warehouse clusters based on Hadoop infrastructure. Wrote chef configuration, python scripts, and maintained the java build and deploy infrastructure for HDFS deployment.

Google, Inc. - December 2010 to August 2014

Supported and maintained large, enterprise production systems on Google's Site Reliability Engineering team. Wrote configuration and tools to handle monitoring and alerting, backups, build and maintenance.

Isilon Systems - March 2008 to November 2009

Frontline support for enterprise storage servers. Responsibilities included configuration questions and troubleshooting software and hardware problems via phone, web, and e-mail. Contributed articles to online Knowledge Base. FreeBSD stack, including samba and likewise, apache, nfs, ftp. Customer integration included Active Directory, NIS, Netbackup, RHEL, XP/Vista/Win7, Hummingbird NFS.

Erado Message Control Solutions - May 2007 to March 2008

Provided technical support and systems administration for a small company specializing in e-mail. Worked extensively with qmail, vpopmail, mysql, CentOS and Xen on Linux servers. Responded to customer support tickets, assisted customers with setup and configuration, set up and configured servers, and performed server-room maintenance duties.

Education

Rochester Institute of Technology, Rochester, NY - August 2005 to March 2007

Mercer County Community College, Trenton, NJ

Associate of Science in Computer Science, May, 2005