

Thomas Theakanath

DevOps Engineer/Consultant

thomastk@gmail.com / (408) 480-8227

Summary

- 20+ years of experience in software development, system integration and DevOps.
- Led engineering teams to successful completion of DevOps and SRE projects.
- Has coding skills using multiple languages: Python, Perl and PHP.
- Regularly writes on DZone, DevOps.com and LinkedIn on DevOps and Monitoring topics.

Skills

- Software development and scripting (Python, Perl, PHP, Unix/Bash shell scripting)
- Building Cloud environments (mainly on AWS - EC2, S3, VPC, ASG, ELB, RDS and some VMWare)
- Automation of platform provisioning and deployment process (Ansible, Puppet, git/Subversion, Jenkins, custom tools for package management, Vagrant)
- Monitoring and 24x7 on-call support of large scale production environments (Nagios, Datadog, Sumo Logic, Zabbix).
- Dashboarding using LAMP stack, Bootstrap and YUI Javascript/CSS libs.
- Rolling out release process following best practices such as Git-Flow.
- People management skills, especially leading and mentoring technical teams.
- Handled Capex for infrastructure, and, worked extensively with third-party vendors and suppliers.

Experience

DevOps Architect at Cadent Technology, San Jose, CA

December 2015 - present

- Roll out comprehensive monitoring solutions based on Zabbix and Sumo Logic.
- Developed and rolled out environment provisioning and deployment automation tools and processes around Git, Jenkins, Artifactory and Ansible.
- Revamped Jenkins based infrastructure for better scalability and ease of use.

DevOps Consultant at SleepIQ Labs, San Jose, CA

August 2015 - December 2015

- Consolidated Jenkins instances to build a master-slave infrastructure.

- Evaluated and implemented Datadog based monitoring solution
- Architected a deployment process for a new release of the SAS app, around Jenkins, Artifactory, CloudFormation, OpsWorks and CodeDeploy that replaced a deployment method which was based on AMIs and Asgard.

Lead DevOps Engineer at Get IT Mobile, San Jose, CA.

September 2014 - July 2015

- Part of the engineering team that built operations infrastructure and processes in a startup environment.
- Rolled out the release process. Implemented system and application level monitoring, 24x7 on-call management, and Continuous Integration infra, in an Amazon AWS cloud environment.
- Developed a package creation and deployment tool using Python to support company's continuous delivery process.

Senior Cloud Platform Engineer at Risk Management Solutions, Newark, CA.

September 2013 - August 2014

- Worked on rolling out RMS(one), RMS's SaaS offering on the cloud.
- Designed and developed a regex based framework and toolkit to validate and patch application environments, using Python and Paramiko ssl module.

Manager, Service Engineering & Operations at Yahoo, Sunnyvale, CA.

August 2011 - September 2013

- Managed the release of new Big Data product, Advertising Insights from Yahoo, beginning hardware procurement through its deployments and stabilization.
- Led the rewiring of Unified Advertising Datamart.
- Led the site reliability team that supported advertising data analytics products.
- Hired, trained and mentored employees and contractors. Worked with direct reports in setting up their goals and evaluated their performance.
- Managed on-call calendars and assignments to ensure 24x7 working of data pipelines and availability of reporting applications.

Senior Software Engineer at Yahoo, Sunnyvale, CA.

January 2007 - August 2011

- Automated the process of building production environments and the deployments, for an internal Cloud storage team. Also developed a provisioning tool for onboarding user groups.
- Developed and deployed the infrastructure for Yahoo! Photos EOL project.

Development Expert at Amdocs/Clarify, San Jose, CA.

January 2004 - January 2007

- Investigated and fixed customer escalated issues in production; and issued patches.
- Led an offshore development team in India that helped to fix software bugs.
- Involved in setting up the India offshore team for the Advocacy Engineering group and trained the offshore team.

Technical Manager at Nortel/Clarify (for Headstrong), San Jose, CA.

August 2000 - May 2004

- Managed the train-the-trainer program for offshore team.
- Worked with third-party software and hardware vendors to resolve engineering issues and to get their tools and platforms certified.
- Coordinated with Clarify development teams and the offshore porting team that added support for new platforms.

Team Lead at Avolent (for Headstrong), San Francisco, CA.

August 2000 - December 2000

- Customized Avolent's BillCast system for American Family.

Systems Analyst at Smith and Nephew, Memphis, TN

October 1997 - July 2000

- Architected and developed a web app to manage file transfers to machine tools on the network.
- Developed a data migration toolkit to export data from Sherpa PDM and Unigraphics CAD systems to load into other PDM systems.
- Customized and supported the Sherpa based PDM system in production.

Software Consultant at HCL America, Sunnyvale, CA.

September 1996 - October 1997

- Coded Tuxedo services for a "Receive Order" system. (Client - Transcendent Technologies.)
- Customized Sherpa PDM system for company's customers. (Client - Sherpa Corporation.)

Senior Engineer at Computervision R&D India Pvt. Ltd., Pune, India.

January 1995 - June 1996

- Led a team that developed Computervision's Optegra PDM suite of client products.

Senior Scientific Officer at Indian Institute of Technology, Mumbai, India.

September 1993 - October 1994

- Coordinated the development of an ERP software prototype for small business.
- Designed database schema for modules Materials Management and Bill-of-Material.
- Conducted technical reviews of the project with other participating institutions.

Officer at Indian Petrochemicals Ltd., Nagothane, India.

May 1992 - September 1993

- Managed material transportation division at company's MGCC plant.

Education

Indian Institute of Technology, Mumbai, India.

M.Tech., Industrial Management

Govt. Engineering College (University of Calicut), Thrissur, India.

B.Tech., Production Engineering