# Akash Reddy

DevOps Engineer

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4+ years of experience as a DevOps Engineer Supporting Infrastructure (AWS, Linux, Windows), DevOps (Build & Release Management) with strong background on web applications, middleware, and databases.

## PROFESSIONAL SUMMARY

- Experienced in creating, configuring and maintaining Infrastructure on AWS Cloud services including Virtual Private Cloud (**VPC**), **EC2**, **RDS**, **S3**, **Route53**, **SNS**, **CloudFront**, **CloudWatch** and **IAM**.
- Experienced in migrating servers from data center to Amazon Web Services cloud
- Experienced in creating various dashboards, metrics, alarms and notifications for servers using AWS Cloud Watch, **Grafana** and **Nagios**.
- Experienced in creating complex IAM policies, Roles and user management for delegated access within AWS.
- Experienced in creating complex caching and routing policies with content delivery network (**CDN**) using **Akamai**/**CloudFront** to improve the page speed and TTFB values.
- Hands-on experience with databases (MySQL, MongoDB, MSSQL) creating users, performing dump/restore and taking automated snapshots.
- Experience working with version control systems like Subversion, GIT and used Source code management tools GitHub, GitLab, **Bitbucket** including command line applications.
- Implemented a CI/CD pipeline involving BitBucket, Jenkins, Chef, Docker, and Selenium for complete automation from commit to deployment.
- Installed and configured Chef Enterprise and Chef Workstation hosted as well as On-Premise; Bootstrapped Nodes; Wrote Recipes, Cookbooks and uploaded them to Chef-server.
- Experienced in Bug/Issue tracking tool like Bugzilla, **JIRA**, FreshService.
- Knowledge of Software Development Life Cycle Methodologies Waterfall, and **Agile**.
- Experienced in multi platforms like UNIX, Ubuntu, RHEL and Windows 98/XP/Vista/7/8/10 supporting production, test, and development environments.
- Strong work ethic with good Interpersonal and Organizational skills.
- Ability to work under minimal supervision and guidance

## TECHNICAL SKILLS:

| SKILL AREA | TECHNICAL SKILLS |
| --- | --- |
| DevOps Tools: | Jenkins, Maven, Artifactory, Docker, Chef, Kubernetes, Akamai |
| Version Control: | Subversion, Git |
| Source Management Tools: | Gitlab, GitHub, GitBash, Bitbucket |
| Bug Tracking Tools: | Jira, FreshService, BugZilla |
| Cloud Platforms: | Amazon Web Services |
| Monitoring Tools: | AWS Cloud watch, Nagios, Grafana, Kibana, NewRelic |
| Collaboration Tools: | HipChat, Confluence, Slack, Skype, Stride |
| Security Tools: | Evident, ShieldSquare, SiteLock, CloudHealth, ModSec |
| SDLC: | Agile, Waterfall |
| Languages: | HTML5, CSS3 |
| Operating Systems: | Linux, RHEL, Ubuntu, Mac OS X, Windows 98/XP/7/Vista/8/10 |

**Business.com** (Formerly Purch Group Inc)                                          **Dec. 2018 – Till Date**
**DevOps Engineer**

**Multiple Projects:** Worked closely with department heads, developments teams, editorial staff, IT helpdesk and executives to produce world class electronic media and product services.

- Participation and Contribution in design and deployment of multitude of cloud services on AWS stack such as EC2, Route53, S3, RDS, IAM and Cloud Watch while focusing on high-availability, fault tolerance, and auto-scaling.
- Participation and Contribution in migration of servers from current data center to Amazon Web Services Cloud.
- Performed Infrastructure maintenance tasks such as ensuring system availability, performance, capacity, and continuity through proper response to incidents, events and problems.
- Automated the build and release management process with CI/CD across Dev, QA, Staging and Production environments including monitoring changes between releases.
- Used chef and several of its components like attributes, files, recipes, resources, templates to make configuration changes, and installed apache, nginx, php-fpm on several servers.
- Deployed and configured Elastic Search, Log stash and Kibana (ELK) for log analytics, full text search, application monitoring in integration with Cloud Watch and Nagios.
- Managed help-desk request tickets in fast paced environment.
- Used security tools such as Site Lock, ShieldSquare, Evident.io and Cloud Watch for monitoring and blocking unauthorized access to several of our websites
- Hands on experience on JIRA for creating bug tickets, workflows, pulling reports from dashboard, creating and planning sprints.
- Documented the entire installation process for various tools and provided on-call support.
- Worked in conjunction with multiple teams to make sure that the infrastructure and customer applications work harmoniously together.
- Provided periodic feedback of status and scheduling issues to the management

**Environment:** Amazon Web Services EC2, Akamai, Evident.io, CloudWatch, Grafana, Kibana, NewRelic, Agile, Jenkins, Chef, Bitbucket, Jira, Confluence, Hipchat, FreshService, PagerDuty, OpenVPN, ShieldSquare, CloudHealth, SiteLock, Windows 10, Linux, and Ubuntu.

**Purch Group Inc, MA**                                                            **Mar. 2017 – Nov. 2018**
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**Zenius Corporation, VA**                                                      **Aug. 2016 – Feb. 2017**
**DevOps Engineer**

**Project: GrantsForce**
- Installed and administered various tools like Jenkins, Gitlab, Chef, Jfrog Artifactory and executed maintenance tasks such as creating users and groups.
- Experience in creating the company's DevOps strategy in a mix environment of **Linux** (RHEL, Ubuntu) servers along with creating and implementing a cloud strategy based on **Amazon Web Services**.
- Implemented a **CI/CD pipeline** involving **GitLab**, **Jenkins**, **Chef**, and **Selenium** to complete the automation from commit to Deployment.
- Responsible for design and maintenance of the GIT Repositories and performed all necessary day-to-day GIT support for different projects.
- Created and Implemented branching & merging strategy with multiple branches.
- Participation and Contribution in periodic archiving and storage of the source code for disaster recovery.
- Integrated GIT into Jenkins to automate the code check-out process.
- Used **Maven** as build tools on Java projects for the development of build artifacts on the source code.
- Automated the build and release management process including monitoring changes between releases.
- Hands on experience on **JIRA** for creating bug tickets, workflows, pulling reports from dashboard, creating and planning sprints.
- Documented the entire installation process for various tools and provided on-call support.
- Worked closely with developers to pinpoint and provide early warnings of common build failures.
- Provided periodic feedback of status and scheduling issues to the management

**Environment:** Amazon Web Services EC2, Cloud Watch, Agile, Jenkins, Chef, Docker, Gitlab, Jfrog Artifactory, Jira, Hip chat, Selenium, Windows 10, Linux, Ubuntu, and RHEL.

**MGB Group, India**                                                       **Jan. 2014 – Dec. 2014**
**IT Support**

- Demonstrated ability to diagnose and fix problems of computer hardware and software issues and computers operating systems.
- Track record of tickets/issues, follow-up and directly working with end-users to attempt to resolve all issues and/or providing effective Tier 2 and Tier 3 support and escalations.
- Hands-on experience in responding, tracking, and following up to telephone, Chat, emails and end-user requests for support.
- Deployed new Windows 7 images to laptops using Microsoft Deployment Toolkit, installed required software, cleared redundant data and user profiles through computer registry.
- Worked alongside network engineers and systems admins to Configure Cisco MDF/IDF switches with Telnet.
- Involved in troubleshooting, updating and managing the company website, database and social media pages.
- Participation and Contribution in troubleshooting hardware and software issues with Windows Workstations, Macintosh and Network Printers.
- Participation and Contribution in setting up the printers with new VLAN ports and static IP addresses.
- Deployed and configured Meraki wireless access points.

## TRAINING & CERTIFICATIONS

- AWS Certified Developer – Associate
  *Validation Number #MKDM1Z62CJ1E1R30*
- AWS Certified DevOps Engineer – Professional
  *Validation Number #MKDM1Z62CJ1E1R30*

## EDUCATION:

- Master's in Computational Science – Texas A&M University - Commerce, Texas, USA
- Bachelor's in Computer Science – Anna University, Chennai, INDIA