
Sathvik Srinivas Dhanya

Infrastructure Engineer

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SKILLS

Cloud services: Amazon Web Services (EC2, VPC, RDS, S3, ElastiCache, IAM, KMS, EKS, Cloudformation)

Containerization/Emulation/Virtualization: Docker, Kubernetes, Vagrant, VirtualBox, VMware vSphere

Languages: Bash, Python, Ruby, SQL

Operating Systems: Linux (Centos, Ubuntu)

Tools: Apache Web Server, Atlassian Jira & Confluence, Chef, Fluentd, Jenkins, MySQL, Nessus, Packer, Postgresql, Terraform, Test-kitchen, Wireshark

EXPERIENCE

Applause App Quality Inc, Framingham MA - *Systems Operations Engineer*

SEPTEMBER 2015 - PRESENT

- Designed and maintained infrastructure in the AWS cloud platform using Cloudformation, Terraform, Packer and Chef
- Automated provisioning of systems using Chef cookbooks
- Deployed and supported containerized services on distributed systems based on Mesosphere DC/OS, a distribution of Apache Mesos and Marathon, and Kubernetes
- Assisted in the migration of applications from a legacy infrastructure to DC/OS platform
- Created and improved automated build/deploy pipelines using Jenkins DSL
- Improved the overall system monitoring and metrics collection using DataDog, New Relic and Prometheus
- Participated in on-call production support rotation
- Supported a legacy monolith platform which ran on Tomcat and used a large MySQL database
- Performed RCAs for all outages and documented a correction of errors report
- Helped in user and project administration in Jira and Confluence

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- Assisted in the migration of marketing sites to new infrastructure based on AWS Cloudfront and S3
 - Maintained a Jenkins CI server, as well as multiple proxy and VPN servers
 - Assisted in troubleshooting, monitoring and optimizing production systems working with the Platform Delivery team in a global engineering environment
 - Participated in the annual security reviews and disaster recovery exercises

Millennium Management, New York NY - *Linux Systems Admin*

JUNE 2014 - DECEMBER 2014

- Diagnosed and fixed the technical issues working with the Linux Infrastructure team in a global trading environment consisting of approximately 3500 RHEL servers
- Developed monitoring utilities along with a visual interface using HTML, Bash and Perl scripts to monitor disk, memory and CPU usage. Created Linux and Windows virtual machines on demand using vSphere
- Configured LDAP authentication for using Active Directory credentials in the Dell and HP chassis to comply with the InfoSec standards
- Participated in disaster recovery exercise

EDUCATION

New York University Polytechnic School of Engineering, NY - *Master of Science, Computer Science*

AUGUST 2013 - MAY 2015

Visvesvaraya Technological University SJBIT, Bangalore, India - *Bachelor of Engineering, Computer Science and Engineering*

JUNE 2009 - JUNE 2013

AWARDS

‘THE BRONZE STANDARD’ of the International Award for Young People (IAYP) in the year 2007