Vinay Babu Vanteddu
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- An outstanding, self - motivated professional with 2+ Years' experience in Site Reliability Engineering and 2+ years rcperience as a Full-stack debeloper undertaking complex assignments, exciting maintainable implementations, and delivers superior performance. I practice SRE & DevOps and apply strong technical, functional, and analytical skills and operate with a strong sense of urgency, and thrives in a fast-paced setting in order to solve business problems expediently.
- Develop an effective data-driven approach for monitoring and alerting that enables the SRE team to maintain high availability and deliver a high quality of service.
- In-depth understanding of the principles and best practices of Software Configuration Management (SCM) processes, which include compiling, packaging, deploying and Application configurations.
- Experience in IT Security and compliance, operations and network services, and application development.
- Experience in partenering with Service owners to implement Service Level Metrics & Service Level Objectives(SLOs) that act as service level health indicators(SLIs).
- Experience performing analytics on previous incidents and usage patterns to better predict issues and develop Runbooks.
- Experience in Cloud & Container platform Strategies, Design, Architecture and Migration.
- Experience on continuous integration and continuous deployment (CI/CD)
- Develop and implement the next-gen monitoring solution for the enterprise based on SRE principles and practices.
- Develop robust alerting system that can identify problematic anomalies and minimizes false alarms.
- Develop and onboard new monitoring features and capabilities for critical metrics and transition to operations.
- Experience with creating rich Grafana, Kibana and new Relic visualizations and dashboards for providing key metric monitoring information to users and support staff.
- Experience on puppet/Ansible in configuration management.
- Implemented cloud services IAAS, PAAS, and SaaS and providing monitering solutions.
- Expand performance and load testing capability to better simulate real production use.
- Extensively worked with automation tools like Hudson, Jenkins, and Build Forge to implement the End-to-End Automation.
- Experience in managing multiple private clouds for enterprises on Bare metal, Virtual Machines and Containers to address different project needs.
- Implemented SDN for manipulating switches.
- Good understanding of Docker APIs, Docker Engine, Docker repository, security and the build and push process within a Docker environment.
- Deployed and configured Prometheus to monitor kubernetes nodes with node - exporter, monitor kubernetesAPI and resources with kube-state-metrics.
- Proficient with container systems like Docker and container orchestration like EC2 Container Service, Kubernetes, worked with Terraform.
- Experience on neutron for building multi-tier web application topology and build advanced network services that plug into AWS tenant networks.

- Hands on experience in AWS provisioning and good knowledge of AWS services like EC2, S3, Glacier, ELB, RDS, Redshift, IAM, Route 53, VPC, Auto scaling, Cloud Front, Cloud Watch, Cloud Trail, Cloud Formation, Security Groups.
- Experience with AWS (Storage, Application Services, Deployment and Management) and managed servers on AWS platform instances using Puppet, Chef Configuration management.
- Experience designing AWS infrastructure
- Extensive knowledge on TCP/IP Protocols
- Design, install, and configure enterprise Linux, VMware ESX, ESXi, within vSphere 4 and 5 environments with Virtual Center management,
- Managed Docker orchestration and Docker containerization using Kubernetes.
- Strong understanding of J2EE application servers.
- Experience installing, configuring, and managing Linux based systems and applications via automation and configuration management tools such as Chef and familiar with Puppet.
- Experience in installation configuration and administration of DNS, DHCP, SAMBA, LDAP, Kick start installation, NIS, SSH, Send Mail.
- Experience with Linux, database, and application server configuration.
- Actively participate in teams' Agile stories (project work) to streamline and enhance day to day operations of the team
- Ability to quickly learn new concepts and software.

Additional Information:

Operating Systems	Redhat, Unix, CentOS, Ubuntu, Windows
Cloud tools	AWS, VMWare, Containers (Docker)
Devops/SRE tools	Jenkins,Jira,Splunk,Honeycomb,AppDynamics,Prometheus,Grafana,MAVEN,Puppet,Ansible,Kubernetes and GIT
Database	MYSQL, Oracle, MongoDB, and MariaDB
Web servers	Web logic, Web Sphere, Apache Tomcat, JBOSS
Tracking tools	JIRA, Remedy, Clear Quest, BugZilla.
Languages	Shell scripting,JavaScript, Python, SQL

Education and Training/Certifications:

- Master's in Computer Science, University of South Dakota, SD, USA

- Bachelor of Technology in Electronics & Electrical, SRM University, India

Skills:

LINUX (5 years), AWS (3 years), Shell Scripting (5 years), Git (5 years), Python (3 years), Database (3 years), Subversion (3 years)

Work Experience:

Site Reliability Engineer
Stratitude, Dallas
Apr 2019 to Present

Responsibilities:
• Lead transition from manual configuration and deployment to 'infrastructure as code' using Chef, including design and implementation of Runbooks and tooling.
• Measure and optimize system performance setting proper metrics and SLAs/SLOs
• Triaging Site Availability Incidents and proactively work towards reducing MTTR for customer impacting incidents.
• Practice sustainable incident response and blameless postmortems.
• Creating plans for Intelligent alerting for more actionable responses and help with reducing MTTD and MTTR for all critical applications
• Defining standards, guidelines and templates for operational and business dashboards and metrics alerting
• Worked on Orchestration in production environment for deployment.
• Design, Implement and support self service DevOps platform.
• Troubleshoot servers WITH Datadog, sumo, Splunk.
• Troubleshoot high-load, memory, network, cpu usage with nagios, cacti, ELK, NewRelic.
• Experience setting up and running monitoring tools such as Graphite,Prometheus, InfluxDB, Grafana
• Implemented a production ready, load balanced, highly available, fault tolerant, auto scaling kubernetes infrastructure and micro service container orchestration.
• Experience in managing multiple private clouds for Enterprises on Bare metal, Virtual Machines, Containers to address various project needs.
• Influence resiliency and scalability in production environments in Amazon Web Services (AWS)
• Building automatic configuration for playbook using Ansible.
• Developed maintenance scripts for monitoring and provisioning tasks in the infrastructure using Python.
• Used python module named Pandas for data manipulation.
• Wrote scripts using python modules and libraries to develop programs which improve processing of access request.
• Involved in Developing a python-based web service, by implementing REST architecture for sending and receiving data from User Interface.
• Extensively implemented the python libraries like Pandas, Matplotlib, Numpy, csv; to manipulate and visualize the data using interactive charts.
• Maintained internal tools for automating tasks, build systems, validating builds and data integrity with scripts in python.
• Involved working with a PaaS solution such as RedHat Openshift.
• Developed automation, batch process and scheduling scripts using python to evaluate integrity of the committed code.
• Worked on Docker container snapshots, attaching to a running container, removing images, managing directory structures, and managing containers.
• Experience working on several Docker components like Docker Engine, Hub, machine, compose and Docker registry.
• Experience working on Docker Hub, creating Docker images, and managing multiple images primarily for middleware installations and domain configurations.
• Developed protocol for adding new users to existing network.

- Managed kubernetes charts using Helm. Created reproducible builds of the Kubernetesapplications, managed Kubernetes manifest files and managed releases of Helm packages.
- Good understanding of windows and VMware server automation using scripting language Power shell, VB Script
- Automated Builds Using Jenkins and scheduled Cron jobs to build jenkin jobs
- Performed system administration and operations tasks using Chef, Nagios.
- Developed and implemented Runbooks. Implemented cloud services IAAS, PAAS, and SaaS and providing monitoring solutions.
- Knowledge of KVM and deploying VM on top of it.

Environment: Docker, Ansible, AWS, Splunk, SDN, MYSQL, MariaDB, Gitlab, Kubernetes.

NLP Intern
Rosenberg LPA, Cincinnati OH
Jan 2019 to Jun 2019

Responsibilities:
- Constructed a language model to generate a Property Deed Document based on sample Deed Documents data.
- worked on vector space technique represents each word in a language.
- Derived meaningful insights and pattern identifications.
- Worked with several python libraries such as CoreNLP,Spacy,Gensim.
- Experience using Jupiter Notebook and Tenser flow.

Environment: Jupiter Notebook, Tenser Flow, CoreNLP

Full-stack Developer
University of South Dakota - Vermillion, SD
Aug 2018 to Jan 2019

Responsibilities:
- Involved in the design and development of new features using AngularJS & React.
- Created REST API using Express and Node.
- Implemented global application search feature using Elastic Search and Kibana.
- Experience with Container based architecture & deployments using Docker.
- Worked on Java, Python, SQL, REST, along with strong Web and backend Development experience.
- Strong Java and/or Node based middleware development expertise along with building RESTful APIs.
- Have a solid understanding of React frameworks.
- Highly proficient with deep understanding of React, Redux (or similar state management framework), HTML, JS, CSS, ReactJS, Redux.
- In-depth knowledge of C#, HTML5, and JavaScript/TypeScript.
- Experience building Responsive Web Design sites.
- Worked with D3 Js to visualize data on user interface.
- Worked on asynchronous request handling, partial page updates, and AJAX
- Experience in troubleshooting web traffic from frontend to backend to identify issues.
- Worked with version control tools such as Git.
- Strong experience in Linux, networking, TCP/IP troubleshooting.

Environment: Angular JS,React JS, Docker,D3, Restful API, JavaScript, HTML, CSS, Bootstrap, Jquery, Node JS, SQL, Elastic Search, Kibana.

Role: Full-stack Developer
Artists Affiliated, Hyderabad, TN
Oct 2016- Nov 2017
Responsibilities:

• Designed and implemented the User Interface using JavaScript, HTML, XHTML, XML, CSS, JSP.
• Used HTML, jQuery, and CSSInstalling and configuring the Linux Operating Systems.
• Proficiency in JavaScript or TypeScript
• Solid experience in using a complex REST API from the client-side
• Significant experience of debugging using JavaScript-based tools like Chrome Developer Console.
• Proficient understanding of cross-browser compatibility issues and ways to work around them.
• Basic knowledge of image authoring tools, to be able to crop, resize, or perform small adjustments on an image. Familiarity with tools such as Gimp or Photoshop.
• Experience writing code that deals with extremely large sets of data
• Worked with debugging tools such as Firebug.

Environment: Gimp,Firebug, Restful API,PS, JavaScript, HTML, CSS, Bootstrap, Jquery, Node JS,UI/UX.