

Venkat Vedula

Ph: 916-833-6463

Email: vedula.venkata.sridhar@gmail.com

PROFESSIONAL SUMMARY:

- An IT professional with over 8 years of experience, performing various roles such as - AWS DevOps/Cloud Engineer, Backend/Frontend Developer, and a Full stack engineer.
- Experience in using multiple AWS services such as - VPC, EC2, ELB, ASG, S3, IAM, RDS, Route 53, SNS etc
- Built and maintained fully automated CI/CD pipelines to build infrastructure in AWS using terraform and cloudformation.
- Building the Jenkins jobs using Groovy scripts for CI/CD pipeline builds and actively involved in pipeline setups and jenkins configurations.
- Deploying Kubernetes applications with Helm charts, expertise in creating kubernetes configmaps , ingress and services.
- Worked on tasks like S3 cross replication, moving RDS
- Used Docker containers to quickly deploy linux based applications
- Experienced in deploying Java projects using Maven
- Implemented Ansible to manage all existing servers and automate the build/configuration of new servers
- Worked with Cassandra and search based data storage
- Implemented memcache as session store with rails
- Designed applications using object oriented concepts
- Experience in the web application servers like nginx, unicorn, puma
- Developed UI using HTML5, Bootstrap, JQuery, and JSP for interactive cross browser functionality
- Implemented and Integrated Elasticsearch as a Service
- Developed and tested many features in an AGILE environment using Ruby on Rails, HTML5, CSS, JavaScript
- Managed code with SVN and unit testing in Rspec framework
- Experience with relational databases (MySQL) and non-relational databases(Cassandra, MongoDB)

CERTIFICATIONS

AWS Certified Solution Architect

SKILLS

- AWS
- Jenkins
- Kubernetes
- Docker
- Python
- Elasticsearch

- Kibana, Grafana, Prometheus
- Sumologic
- Ruby
- Ruby on Rails
- Groovy
- Javascript
- HTML
- CSS
- MySQL
- Cassandra

Education:

Master of Science: Information Technology, University of Central Missouri, Warrensburg, MO

Bachelor of Science: Information Technology, Andhra University, Visakhapatnam

Experience:

Client: Clear Capital - Sacramento, CA 03/2019 - Current

Role: AWS DevOps/SRE Engineer

- Managed Docker orchestration and containerization using kubernetes and deployed applications in AWS EKS clusters.
- Built and maintained fully automated CI/CD pipelines to build infrastructure in AWS using terraform and cloudformation.
- Experience in using multiple AWS services such as - VPC, EC2, ELB, ASG, S3, IAM, RDS, Route 53, SNS etc
- Worked on disaster recovery in AWS by moving all the services cross-account and cross-region.
- Managing logging infrastructure and alert management tools like Kibana, sumologic , Prometheus Grafana and Opsgenie.
- Utilized CloudWatch to setup and monitor AWS resources such as EC2, CPU, memory, EBS volumes and set alarms for notification or automated actions
- Building the Jenkins jobs using Groovy scripts for CI/CD pipeline builds and actively involved in pipeline setups and jenkins configurations.
- Deploying Kubernetes applications with Helm charts, expertise in creating kubernetes configmaps , ingress and services.
- Worked on tasks like S3 cross replication, moving RDS
- snapshots from one account to another account, dynamo DB replication, DR migration etc.
- Part of 24*7 on call rotation with other team members, debugging the issues and fixing the issues.
- Optimization and cost reduction in AWS services by setting alerts and creating dashboards for each account, deleted EBS volumes, autoscaling and also introduced tools like zesty to the organization to reduce cost.
- Maintaining and improving site performance and reliability as part of SRE.
- Actively involved in the production releases to monitor, rollback and debug stuff until the environment is completely up and running.
- Proficiency in scripting languages like python integrating with AWS lambda serverless frameworks.

Client: California Department Of Justice - Sacramento, CA 06/2017 - 03/2019

Role: AWS DevOps/SRE Engineer

- Developed hundreds of features in an agile environment using Ruby on Rails, HTML, CSS and JavaScript
- Having work experience in support of multi-platform like UNIX, Linux, Ubuntu
- Integrating various Version control tools, build tools, maven and deployment methodologies into Jenkins
- Planned and carried out daily scrums, weekly estimations and retrospectives and pair programming
- Used Docker containers to quickly deploy linux based applications
- Experienced in deploying Java projects using Maven
- Implemented Ansible to manage all existing servers and automate the build/configuration of new servers
- Worked with Cassandra and search based data storage
- Implemented memcache as session store with rails
- Designed applications using object oriented concepts
- Experience in the web application servers like nginx, unicorn, puma
- Developed UI using HTML5, Bootstrap, JQuery, and JSP for interactive cross browser functionality
- Implemented and Integrated Elasticsearch as a Service
- Handled the tasks of developing and creating Ruby MySQL applications as per the specifications
- Fixed software bugs via Javascript and CSS

Client: University Of Central Missouri - Warrensburg, MO 08/2016 - 06/2017

Role: DevOps Engineer

- Developed new features in the library application for University of Central Missouri
- Analysis of User Experience design and user centered design (UI frameworks) to design User Interface effectively with web standards
- Played an active role in the team by interacting with business analyst and converted business requirements into system requirements. Involved in conducting Joint Application Development sessions and collected the end user requirements
- Developed WSDL for Describing Web Services. Implemented SOAP Web services and RESTful web services to talk with Various Applications. SOAP Used for Messaging and interact with Web Services

Client: Amzur Technologies - India 06/2012 - 06/2016

Role: Sr Software Engineer:

- Actively involved in analysis of the system requirements specifications and involved in client interaction during requirements specifications
- Designed the front-end of the application using Ruby on Rails and HTML
- Writing backend programming in Ruby on Rails
- Good understanding and current development experience with Node.js
- Set up and maintained applications on Amazon Web Services (AWS EC2)
- Worked extensively with various versions of Ruby, Ruby on Rails, HTML 4/5, and JavaScript, CSS, AngularJS, RVM, Bundler, GEMS and libraries to Communicating with the customer to design solutions
- Worked in the design and development phases of the application using ROR
- Developed and tested many features in an AGILE environment using Ruby on Rails, HTML5, CSS, JavaScript
- Managed code with SVN and unit testing in Rspec framework

- Experience with relational databases (MySQL) and non-relational databases (Cassandra, MongoDB)
- Created Restful http services to interact with UI
- Wrote Rspec and Cucumber tests in the application
- Used JavaScript and XML to update a portion of a webpage
- Designing database model for the entire application like creating tables, associations using MySQL
- Involved in Database Migrations using Active Records, also involved in using Action Controller, Active Resources, Fixtures and ActionView in Rails
- Launching the VMs on different cloud platform and monitor the performance and configuration
- Followed agile development methodology and scrum for the project
- Implemented user interface guidelines and standards throughout the development and maintenance of the website using HTML, CSS, JavaScript and JQuery
- Used Restful API in communicating with third parties
- Deployed the project into Heroku using GIT version control system
- Implemented and Integrated Sunspot Solr for full text search and indexing
- Refactored code as required while working on the features and enhancements
- Acted as a point of contact for bug fixes, data fixes and high priority code changes when required