**Anvesh Reddy   
 AWS CERTIFIED DEVELOPER**kishore@prorsum-tech.com  
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**PROFESSIONAL SUMMARY**

* Over 8+ years of experience in highly available business applications for enterprise customers like Cloud Computing, Linux System administration, Network and Security Management.
* Experience in working with multiple public and private cloud platforms like Amazon Web Services.
* Worked on Amazon Web Services (AWS) infrastructure with automation and configuration management tools such as Chef and Puppet.
* Proficient in using all Amazon web services like EC2, EBS, IAM, S3, ELB, RDS, VPC, Route 53, Cloud Watch, Cloud Formation etc.
* Defined AWS security groups which acted as virtual firewalls to control the incoming traffic onto one or more AWS EC2 instances.
* Experience in real-time monitoring and alerting of applications deployed in AWS using Cloud Watch, Cloud Trail and Simple Notification Service.
* Experience in deploying and monitoring applications on various platforms using Elastic Bean Stalk.
* Configured AWS Identity and Access Management (IAM) users and groups for improved login authentication.
* Experience working on several Docker components like Docker Engine, Hub, Machine, Compose and Docker Registry.
* Expertise in managing VPC configurations for organizations and maintaining networks and subnet ranges.
* Implemented AWS high-availability using AWS Elastic Load Balancing (ELB), which performed balance across instances in multiple availability zones.
* Developed Restful API's integrating web exe with Django and Python implementations with data exchange through JSON and XML formats.
* Experienced in working with various Python Integrated Development Environments like NetBeans, PyCharm, PyScripter, PyDev, Eclipse and Sublime Text.
* Configured and managed AWS Glacier to move old data to archives, based on retention policy of database/applications.
* Extensive experience in various Java/J2EE technologies including Core Java, J2EE (EJB, Servlets, JSP, JDBC),
* Spring (IOC, MVC, AOP, DAO), Hibernate and Java Web Framework along with Web Services (SOAP, RESTful)
* and Database related technologies like Oracle, MSSQL, MySQL.
* Assigned AWS elastic IP addresses to work around host or availability zone failures by quickly re-mapping the address to another running instance.
* Designed, configured and deployed Amazon Web Services for a multitude of applications utilizing the Amazon services focusing on high-availability, fault tolerance and Auto Scaling.
* Experience in installation, configuration and maintenance of Redhat, CentOS and Ubuntu at multiple Data Centre.
* Experience in using SQL Server Profiler to monitor the SQL server for deadlocks.
* Worked on SQL Server 2012 migration from SQL Server 2008 / 2005.
* Experience in data migrations using SSIS and third-party tools like DOUBLE TAKE-SQLMOVE.
* Experienced in Exchange for API lifecycle management (API rnance).
* Experienced in API Manager to create API proxies and define policies.
* Design, review and development of integration flow using CloudHub and Anypoint Studio.
* Experienced in API Kit Router to create interface based on API created in Design Center
* Ability to design applications on AWS taking advantage of disaster recovery design guidelines.
* Hands on experience in Chef Enterprise. Installed workstation, bootstrapped nodes, wrote recipes and cookbooks and uploaded them to chef server.
* Managed On-site OS/Applications/Services/Packages using Chef as well as AWS for EC2/S3/Route53 and ELB with Chef Cookbooks.
* Experience in Microservices using Spring boot with Spring Cloud stack like Apache Kafka Spring Cloud Netflix stack patterns like Service Discovery (Eureka), Circuit Breaker (Hystrix), Intelligent Routing (Zulu) and Client-Side Load Balancing (Ribbon).
* Experienced in JHipster stack for building monolithic as well as Microservices based architecture
* Worked on version controller like GIT and continuous integration tools like Jenkins.
* Continuous integration, automated deployment and management using Jenkins.
* Managed GIT version control system in creating branches, tags and merge.
* Practical experience in Linux administration and troubleshooting.
* Experience in installation, configuration, backup, recovery, maintenance and support.
* Experience in creation and managing user accounts, security, disk space and process monitoring in Redhat Linux.
* Installing and upgrading packages, version control and reviewing connectivity issue regarding security problem.
* Performed Disk Management with the help of LVM (Logical Volume Manager)
* Experience in writing Bash Shell Scripts to automate the administrative tasks and management using Cron Jobs.

**EDUCATION:**

Bachelor of Technology in computer science from JNTU- India.

**CERTIFICATIONS:**

AWS Associate level certified   
Valid until September 2019

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**Technical skills:**

**Programming Languages &Databases :** C, C++, JAVA, C#, .NET, PYTHON, Oracle 11g, PL/SQL, MySQL & ORM Framework Hibernate,Java Technologies Servlets, JSP   
**Cloud Services**: EC2, S3, VPC, Cloud Formation, Cloud Watch, Cloud Trail, Cloud Formation, Redshift, EMR, RDS, Dynamo DB, SQS, IAM, SNS, SES.   
**Cloud**: Amazon Web Services  
**Web Technologies:** HTML, JavaScript, CSS, jQuery, XML, Ajax, JSON, DOM, XHTML   
**Web Services:** SOAP, RESTful   
**Networking:** TCP/IP Fundamentals, IP Addressing, IP Services (DNS, DHCP, NTP etc), NAT, Access-Control Lists   
**Operating Systems**: Windows, Linux, Mac OS, IDE Python IDE, Eclipse  **Infrastructure as Service:** AWS, OpenStack   
**Containerization Tools:** Docker   
**Application Deployment:**uDeploy   
**Virtualization Platforms:** Vagrant, VirtualBox,   
**Configuration Management:** Chef, Puppet, Ansible, Knowledge on SaltStack   
**Build Systems:** Maven, Ant, Gradle, NANT   
**Continuous Integration/Delivery:** Jenkins, AntHillPro, Teamcity, Bamboo, Team City, Chef, Puppet.   
**Development Tools:** Waterfall, Agile.   
**Application & Web Servers:**Weblogic, Apache Tomcat, Jboss, Apache, IIS   
**Version Control**: Git, SVN, Perforce   
**Scripting Languages:** Shell, Ruby, Perl   
**Logging:** Logstash, Splunk   
**Operating Systems**: Linux, Unix, Windows XP, 2000, 2003, 2008, 2010, UNIX, Linux.

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**Professional Experience**

**HARMAN SAMSUNG, MN**

**Sr JavaAWS Developer**   
**December 2016 - Present**

**Responsibilities:**

* Involved in designing and deploying applications utilizing almost all of the AWS stack (Including EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM) focusing on high-availability, fault tolerance, and auto-scaling in AWS Cloud formation.
* Migrated the current Linux environment to AWS/RHEL Linux environment and used auto scaling feature. Also involved in remediation and patching of Unix/Linux Servers.
* Created AWS Route53 to route traffic between different regions.
* Configured AWS IAM and Security Group in Public and Private Subnets in VPC.
* Used MySQL, DynamoDB and Elastic Cache to perform basic database administration.
* Used GZIP with AWS Cloud-front to forward compressed files to destination node/instances.
* Build out server automation with Continuous Integration - Continuous Deployment tools like Jenkins/Maven for deployment and build management system.
* Configuration tool Installed and configured such as chef server / workstation and nodes via CLI tools to AWS nodes.
* Created CI/CD pipelines and setup auto trigger, auto build and auto deployment with the help of the CI/CD tool like Jenkins.
* Responsible for setting up from scratch and maintaining automated CI/CD Pipelines for multiple apps.
* Integrated FileNet based Imaging platform via SOA platform services.
* For SOA platform implemented Maven based archetypes, archive based service repository.
* Implemented modules in SOA platform to support various integration styles which includes SOAP, REST, and XML over http and JSON.
* Conducting SOA service developer training classes in the organization.
* Installed VMware ESXi 5.5 and 6, vSphere Server and VMware center Server in rack Servers.
* Created Templates for main services like Nova, Swift and Neutron for reuse the current environment or to easily modify the current environment.
* Experience in MulesoftAnypointAPI platform on designing and implementing Mule API's.
* Leveraged AWS cloud services such as EC2, auto-scaling and VPC to build secure, highly scalable and flexible systems that handled expected and unexpected load bursts.
* Designed and developed domain model specific Microservices on the areas of device and content using Spring Boot RESTful webservices.
* Created SQL Server Jobs and Schedules for automated and timely execution of Daily, Weekly and Monthly processes.
* Created SQL Server Agent Alerts to monitor the SQL Server Events and SQL Server Performance Alerts and notify the Administrators of the critical situations.
* Provided consultation on SQL Server to our development teams, educating development teams to writing optimized queries.
* Integrated the RIA Framework into JSP pages using JSTL, AngularJS, NodeJS, Spring MVC, Backbone andjQuery.
* Acted as a key contributor in the activities of architecture, design and development of small and medium Spring Boot Microservices projects as part of Nextgen Cloud Compatible Migration Efforts.
* Manage Amazon redshift clusters such as launching the cluster and specifying the node type as well.
* Generated Python Django forms to maintain the record of online users.
* Used Django API's to access the database.
* Involved in Python OOD code for quality, logging, monitoring, and debugging code optimization.
* Wrote Python modules to view and connect the Apache Cassandra instance.
* Used AWS Beanstalk for deploying and scaling web applications and services developed with Java, PHP, Node.js, Python, Ruby and Docker on familiar servers such as Apache, and IIS.
* Designed AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
* Implemented automated local user provisioning instances created in AWS cloud.
* Setup and build AWS infrastructure various resources, VPC EC2, S3, IAM, EBS, Security Group, Auto Scaling, and RDS in Cloud Formation JSON templates.
* Worked on various java concepts like Packages, Structs, Hibernate, Spring, Garbage Collections.
* Involved in Production support and log checking using Splunk.
* Developed a Standalone Application using Spring Boot, Spring Batch, Spring, JDBC and SOAP Web services.
* Extracted the data from MySQL, Oracle, SQL Server using Sqoop and loaded data into Cassandra.
* Provide highly durable and available data by using S3 data store, versioning, lifecycle policies, and create AMIs for mission critical production servers for backup.
* Maintained the user accounts (IAM), RDS, Route 53, VPC, RDB, Dynamo DB, SES, SQS and SNS services in AWS cloud.
* Designed the application by implementing Struts based on MVC Architecture, simple Java Beans as a Model, JSP UI Components as View and Action Servlet as a Controller.
* Designed and implemented scalable, secure cloud architecture based on Amazon Web Services.
* Defined branching, labeling, and merge strategies for all applications in Git.
* Built Continuous Integration environment Jenkins and Continuous delivery environment. Utilized Configuration Management tool Chef & created Chef Cookbooks using recipes to automate system operations.
* Build servers using AWS, Importing volumes, launching EC2, RDS, creating security groups, auto-scaling, load balancers (ELBs) in the defined virtual private connection.
* Deployed applications on AWS by using Elastic BeanStalk.
* Used Ansible server and workstation to manage and configure nodes.
* Configured plugins for the integration tools to the version control tools.
* Manage source code, software builds, software versioning, & defect tracking on software maintenance tasks/projects.
* Used Spring boot for the application development.
* Integrated the application with Spring-MVC using Spring boot, Spring Dependency Injection (DI), and Spring Annotations.
* Created CI/CD pipelines and setup auto trigger, auto build and auto deployment with the help of the CI/CD tool like Jenkins.
* Administered and Engineered Jenkins for managing weekly Build, Test and Deploy chain, SVN/GIT with Dev/Test/Prod Branching Model for weekly releases.
* Created monitors, alarms and notifications for EC2 hosts using CloudWatch.
* Migrated applications to the AWS cloud.
* Involved in creating properties files and also DB connectivity, implemented the DAO pattern for database access and used the JDBC API extensively.
* Used Java Message Service (JMS) API to create, send, receive, and read messages.
* Involved in DevOps processes for build and deploy systems.
* Created Python scripts to totally automate AWS services, which includes web servers, ELB, CloudFront distribution, database, EC2 and database security groups, S3 bucket and application configuration, this script creates stacks, single servers, or joins web servers to stacks.
* Managed version control tool Git to version code changes to help developers/programmers branch/merge/revert code.
* User, Group creation, monitoring and maintaining log for system status/health using Linux commands and Nagios system monitor.
* Good understanding of ELB, security groups, NACL, NAT, firewall and Route 53.
* Designed and developed automation test scripts using Python.

**Environment**:   
  
AWS, EC2, S3, VMware, Tomcat Apache, CloudWatch, CloudFormation, DynamoDB, VPC, IAM, Nagios, Git, Chef, Linux, Data Centre Migration, Jenkins, Maven.

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**EviCoreHealth Care, NJ**

AWS Developer   
August 2014 – November 2016

**Responsibilities:**

* Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/ Ubuntu) and Configuring launched instances with respect to specific application
* Create the stack using Cloud Formation Template to launch multiple Instances.
* Installed the application on AWS EC2 instances and also configured the storage on S3 buckets
* Deployed EC2 Instance, adding (EBS) block level storage volume to increase the availability of the website
* Taking Encrypted Snapshots from the Encrypted volumes to create new volumes size.
* Using Simple storage services (S3) for snapshot and Configured S3 lifecycle of Applications & Databases logs, including deleting old logs, archiving logs based on retention policy of Apps and Databases
* Setting up the Elastic load balancer (ELB) to send traffic to all instance in the availability zone.
* Designed a security group for maintaining the inbound and outbound traffic.
* Managed hosted Zone and domain name service using Route 53.
* Using various routing policies in Amazon Route53.
* Responsible for setting up from scratch and maintaining automated CI/CD Pipelines for multiple apps.
* Working with Python ORM Libraries including Django ORM, SQLAlchemy.
* Used several Python libraries like wxPython, NumPy and Matplotlib.
* Participated in the complete SDLC process and used Python to develop website functionality.
* Built various graphs for business decision making using Python Matplotlib library.
* Worked with Python OO Design code for manufacturing quality, monitoring, logging, and debugging code
* Evaluating documentbased DB (Mongo DB) to replace oracle database for the SOA platform for more horizontal scaling.
* Applied J2EE Design Patterns such as Factory, Singleton, and Business delegate, DAO, Front Controller Pattern and MVC.
* Architecting a new SOA management console with JQUERY and JSON for consolidated cluster management.
* Architected Disaster Recovery strategy for SOA platform.
* Hands on experience in CI (Continuous Integration), CD(Continuous Delivery) pipelines, strong background in Build and Release Management and Cloud Implementation all within that suites the needs of an environment under DevOps Culture.
* Defined strategy around Mulesoft for Data and API Governance.
* Review/Enhancements of all documentation produced by Mulesoft and Xtivia.
* Defined best practice for all business/functional/technical documentation to be sourced controlled, from Business Analysis, Requirement gathering, APIdefinition, discovery and API release schedule, to code templates.
* Defined code templates for Exception handling, Incident reporting/ticketing, Retry strategy, API versioning.
* Setup of Virtual Private Networks across Departments with strong Network ACLs at both the Subnet and the Instance level.
* Experienced in transferring data from different data sources into HDFS systems usinproducers, consumers and Kafka brokers
* Involved in developing Hive DDLs to create, alter and drop Hive tables and storm, & Kafka.
* Auto scaling of Web Application instances based on the Cloud watch alarms during sudden increase in network traffic.
* Involved in analyzing existing architecture on premise datacenters and designed to migrate complex Network architectures to AWS Public Cloud.
* Worked with networking teams in configuring AWS Direct Connect to establish dedicated connection to datacenters.
* Design roles and groups for users and resources using AWS Identity Access Management (IAM).
* Used Tomcat and WebLogic as standard application servers to deploy web applications.
* Scripting in multiple languages on Linux - Bash Shell, kornshell.
* Analysis of Automated Weekly Instance usage reports and choose the right instance type for applications based on the Network I/O, CPU utilization and RAM
* Monitoring & Metrics - Using Amazon Cloud watch, monitor infrastructure and applications such as EBS, EC2, ELB, S3
* Configure notifications for the alarms generated based on events defined.
* Conduct incident review and root cause analysis, and escalate incidents as appropriate.
* Took Lead on troubleshooting most of the AWS services.
* On-call support for issues related to Linux VMs hosted in AWS and network troubleshooting.
* Managed cost analysis tool to monitor AWS costs

**Environment**:  
  
AWS EC2, S3, Identity Access Management, EBS, Elastic Load Balancers, Route 53, Cloud watch, GIT, Web logic, Tomcat, AWS IAM, AWS S3, AWS cloud watch, cloud formation, Apache HTTPD, Groovy, Kafka, Apache Tomcat, Json, Bash, Shell

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**Inovalon, MD**

AWS Developer   
March 2013 – July 2014

**Responsibilities:**

* Implemented Agile development process on Software Development Life Cycle.
* Deployed NodeJS web applications into Elastic Beanstalk Environment.
* Used NodeJS code in AWS Lambda Functions.
* Design roles and groups using AWS Identity and Access Management (IAM).
* Helped migrating and managing multiple applications from on premise to cloud using AWS services like S3, Glacier, EC2, RDS, SQS, SNS, SES.
* Configured and maintained user accounts for dev, QA, and production teams and created roles for EC2, RDS, S3, Cloud Watch.
* Launching and configuring of Amazon EC2 (AWS) Cloud Servers using AMI's(Linux) and configuring the servers for specified applications.
* Managing with Custom AMI's, created AMI tags and modified AMI permissions.
* Created S3 buckets for EC2 instances to store all the content including HTML pages, images, CSS files and Java script files.
* Configured, supported and maintained all network, firewall, storage, load balancers, operating systems, and software in AWS EC2 and Created detailed AWS Security groups which behaved as virtual firewalls that controlled the traffic allowed reaching one or more AWS EC2 instances.
* Managing multiple AWS instances, assigning the security groups, Elastic Load Balancer and AMIs.
* Auto scaling the instances to design cost effective, fault tolerant and highly reliable systems.
* Provided production support by debugging system issues.
* Repeatedly worked on AWS Cloud platform and its features which include EC2, VPC, AMI, RDS, SES, S3, Route 53, IAM, Cloud Formation, Cloud Front, and Cloud Watch.
* Configured S3 lifecycle of Applications & Databases logs, including deleting old logs, archiving logs based on retention policy of Apps and Databases.
* Configured and managed AWS Glacier, to move old data to archives based on retention policy of databases/ applications.
* Configured custom metrics for the AWS Cloud Watch for detailed monitoring.
* Used AWS SDK for JavaScript in NodeJS.
* Implementing a Continuous Delivery framework using Jenkins, Maven & Nexus in Linux environment.
* Using Amazon Route53 to manage public and private hosted zones.

**Environment**: Amazon Web Services (AWS) EC2, Route 53, S3, VPC, IAM, Cloud Watch Alarms, Cloud Formation, SNS, SES, SQS, Git, GitHub, RDS, JUNIT, Jenkins, Maven, NodeJS.

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**Detroit Energy, MI**

DeVops Engineer   
August 2011 –February 2013

**Responsibilities:**

* Build and release software baselines, code merges, branch and label creation and interfaced between development and infrastructure. Performed all necessary day-to-day Subversion support for different Projects.
* Created Perl scripts that retrieved data from the database using Oracle PL/SQL blocks.
* Installed, Configured and Administered Hudson/Jenkins Continuous Integration Tool.
* Automated the deployments using Jenkins and its respective dependency plugins.
* Deployment of the Business processes by creating JAR, WAR and EAR files to IBM Web Logic application servers.
* Supported in assisting Project Manager for Project Management activities like Creation of PLA, SLA and team building activities.
* Work with application development teams to ensure that their applications are designed properly for interacting with AWS.
* Knowledge on several Docker components like Docker Engine, Hub, Machine, Compose and Docker Registry.
* Created entire application using Python, Django under Linux environment.
* Created User services in Pivotal Cloud Foundry for connecting database with different life cycles using spring profile.
* Worked as a system administrator for the build and deployments process on the enterprise server.
* Configured plugins on Bamboo server to automate the deployments onto app servers and Artifactory.
* Developed Batch scripts to automate the .Net Builds using Bamboo CI server.
* Work on Auto scaling, Cloud watch (monitoring), AWS Elastic Beanstalk (app deployments), mazon S3 (storage) and Amazon EBS (persistent disk storage).
* Implemented a Continuous Delivery pipeline with Docker, and GitHub and AWS.
* Configured Jenkins daily periodic backups for Jenkins config and plugins files.
* Experience in creating deployment tool-udeploy Environment.
* Deploying Lambda functions using Jenkins in different environments.
* Working experience in VPC'S, Subnets, Security Groups, IPV6, R53.
* Usage of Ansible Scripts for creating base AMI'S and in deployment process.
* Extensive usage of Shell and AWS CLI.
* Automating environment provisioning using Cloud Formation Templates in AWS.
* Setup Environments for testing and Development.
* Associated Jenkins with maven and Accurev for CI/CD.
* Creating cloud formation templates to provision the environment in AWS for Dev. and Test.
* Created many playbooks and rolebased deployments in Ansible to provision the environment.
* Python scripts to create API gateway, create endpoint and deliver to the developers.

**Environment**: Tomcat, Chef, Oracle, Icinga, Ansible, Bamboo, Perl, Jenkins, Nolio, Python, Ruby Chef, JIRA, Maven, Artifactory, Git, Ubuntu, CentOS, AWS, Ruby, Windows,Docker, CI/CD,AWS,CloudFoundry,Shell Script,

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**HSBC, India**

Jr DeVops Engineer   
February 2009 – July 2011

**Responsibilities:**

* Creating alarms in Cloud Watch service for monitoring the server performance, CPU Utilization, disk usage etc.
* Automated Linux production server's setup using Puppet Scripts. Used these scripts to replicate production build environments on a local dev boxes using vagrant and Virtual Box.
* Worked on establishing a streamlined release process for the development team from scratch.
* Worked for Devops Platform team responsible for specialization areas related to Chef for Cloud Automation.
* Implemented Jenkins workflow and plugins for repeatable deployments of multi-tier applications, artifacts and services to Docker.
* Installed and Configured the Apache Tomcat application servers for Dev and Integration Test Environments.
* Installed and configured Nexus Repository Manager to share the artifacts between the teams within the company.
* Design CI/CD processes in the context of a Jenkins orchestration, including the usage of automated build, and deployment tool.
* Created detailed documentation of complex build and release process and post release activities process, JIRA workflow and Release notes.
* Developed and managed cloud VMs with AWS EC2 command line clients and management console.
* Implemented AWS solutions using EC2, S3, Redshift, Lambda, RDS, EBS, Elastic Load Balancer, Auto scaling groups, SNS, Optimized volumes and Cloud Formation templates
* Implemented DNS service (Route 53) in effectively coordinating the load balancing, fail-over and scaling functions.
* Experienced AWS developer tools such as Code Commit, Code Pipeline, Code Deploy, CodeBuildetc
* Responsible for the development and maintenance of processes and associated scripts/tools for automated build, testing and deployment of the products to various developments.
* Automated the process of deployment to Apache Tomcat Application Servers by developing Python Scripts.
* Created and updated Puppet manifests and modules, files, and packages stored in the GIT repository.

**Environment**: Maven, ANT, Jenkins, GIT, Chef, Nexus, JIRA, Hudson, JBoss, Apache Tomcat, Python, Ansible, SDLC, Docker, Windows, Linux.

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