**Karthik Vedapuri**

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**PROFESSIONAL SUMMARY**

* Technically sophisticated software engineer armed with more than 8 years of verifiable success in the areas of software development life cycle including requirements Analysis and Debugging, Design, Development, Integration, Maintenance, Installation and Testing as per Enterprise standards.
* Seeking a position to utilize my technical, teamwork skills and the abilities in the Information Technology Industry, a job where growth prospects are unlimited and individuality is recognized by work, and to achieve professional satisfaction by meeting higher responsibilities and involving in competent work areas.
* Highly adaptable in quickly changing technical environments with very strong organizational and analytical skills.
* A quick learner who can grasp emerging technologies and interact smoothly and effectively with peers, senior management, and clients.

**PROFESSIONAL EXPERIENCE**

**Sr Operations Analyst**

**Autodesk Inc. Jan 2016 – Jan 2022**

* Worked on enabling SNI in Apigee, this involved working with ~100+ clients to check on the SNI compatibility and drive them towards being SNI complaint.
* Worked with Identity team to implement Single Sign On for Apigee.
* Developed proxy in Apigee to host backend APIs securely and made them available for client consumption.
* Worked on POC for enabling Apigee logging in Splunk.
* Worked on setting up Vhost, a self-service feature which involved moving away from AWS LB to direct router in Apigee.
* Automated company, developer app, developer data retrieval from Apigee using management APIs and send it to clients on weekly basis using shell script.
* Managed SSL setup and certificate renewal for both southbound and northbound connections in Apigee.
* Setup custom alerts for monitoring 4xx, 5xx, cert expiry, traffic pattern monitor and various other requirements.
* Worked with Apigee support to handle new changes, issues, deprecation features etc.,
* Worked with automation team to setup Apigee CI/CD pipeline.
* Worked on giving design solutions for exposing backend APIs via Apigee.
* Involved in developing Python script for extracting users and roles for audit purpose.
* Developed different type of shell scripts based on requirements to run queries in database and send a report with transactions failures to analyze and reprocess them.
* Worked on end to end upgrading of Tibco business connect from 6.2 to 6.4 version.
* Automated service monitor and incident handling by setting up alerts to monitor service uptime and bring them up based on application logic using shell.
* Worked with Tibco support on critical issues which involved improving performance or MI scenario.
* Good knowledge on networking concepts like routers, switches, DHCP, DNS, OSI layers, TCP/IP protocols.
* Involved in giving design solution for various application in Tibco BW.
* Worked on fine tuning BW services based on application requirement keeping compute resources in mind.
* Worked on setting up environment for Tibco landscape which involved installing and configuring RV, TRA, HAWK, Admin, BW and EMS.
* worked on critical vulnerability fix in Linux specific to Tibco application.
* Handled Disaster recovery and data refresh activity for Applications in Tibco, Apigee and AWS.
* Worked on setting up monitors in Catchpoint, Splunk, Kibana, Dynatrace, Logic Monitor and New Relic for proactive incident management.
* Played SME role for Tibco, Apigee and AWS driven applications.
* Performed SOC, SOC2 and SOX audit for TIBCO.
* Worked with automation team to setup Tibco CI/CD Jenkins pipeline.
* Utilized Cloud Watch to monitor resources such as EC2, CPU memory, Amazon RDS DB services, Dynamo tables, EBS volumes to set alarms for notification or automated actions and to monitor logs for a better understanding and operation of the system.
* Hands-on experience with setting-up function along with various trigger, Integration of Lambda with ticketing tools to take automated actions.
* Sound knowledge on Docker components like Docker Engine, Hub, Machine, Compose and Docker Registry.
* Skilful understanding of algorithms, design patterns, data structures, networking and Linux operating systems.
* Experience in creating Docker containers leveraging existing Linux Containers and AMI's in addition to creating Docker containers from scratch.
* Experience with container-based deployments using Docker, working with Docker images, Docker Hub, Docker file, Docker Compose and Docker registries.
* Experience in managing and maintaining IAM policies for organizations in AWS to define groups, create users, assign roles and define rules for role-based access to AWS resources.
* Created and configured elastic load balancers and auto scaling groups to distribute the traffic and to have a cost efficient, fault tolerant and highly available environment.
* Good knowledge on route53 and different types of algorithms used in route53.
* Experience in AWS Cloud platform and its services which includes EC2, VPC, IAM, Route 53, Lambda, CloudWatch, S3, SecretsManager, Certs Manager, RDS, CloudFormation, API Gateway, DynamoDB etc.,
* Worked on application migration from On-Prem to AWS cloud.
* Expert experience of architecting services of AWS on a theoretical and practical level (EC2, EBS, VPC, Security Group, ELB, Auto Scaling, AZ, CloudWatch, etc)

**Senior System Engineer**

**Cognizant Technology Services Jun 2013 - Jan 2016**

* Administrative tasks including WebSphere Application Server configuration which includes components like WebSphere Application server, IHS web server and IIS.
* Responsible for deploying/troubleshooting application, analyzing log files on WebSphere, JBOSS 5.x and Jetty 6.1and provides the information to the developers. (PROD, DEV, UAT, and TEST).
* Installation, configuration and administration of reverse proxy servers in YELLOW/RED zone layers.
* Responsible for deploying/troubleshooting BAR and Config files through WebSphere Message Broker toolkit 8.1, WebsphereMQ Explorer 8.0and scripts.
* Responsible for deploying policies on IBM DataPower (XB60 console) and restarting domains.
* Restarting the Production MQ Queue, Execution Group and Message Broker when required.
* Certificate installations in Web/App servers and traffic movement across datacenters through F5 load balancer.
* Carried out Tibco Installation that includes installing Tra, Hawk, Admin, Ems, AS, BW, BE and BEX on Linux.
* Responsible for deploying/troubleshooting application hosted on Tibco BW 5.1X, BE, BEX, AS2.1 and EMS 7.0.

**EDUCATION**

**Masters in General Computer Science (Current GPA 3.9)**

University of Michigan-Dearborn (Class of 2024)

**Bachelor of Engineering - Computer Engineering (GPA 3.8)**

Visvesvaraya Technological University (May 2012)

**TECHNICAL SKILLS**

* **Middleware Technologies:** WebSphere, WebSphere MQ, WebLogic, Apache, Tibco, Apigee & Mulesoft.
* **Monitoring Tools:** Dynatrace, LogicMonitor, New Relic, CloudWatch, Catchpoint
* **Logging Tools:** Splunk, Kibana, AWS Cloud Trail, Custom App [DB Transactions Logging]
* **Operating System:** Windows, Solaris, RedHat Linux and Unix.
* **WebApp Tools:** JQuery and SQL, Heroku, AWS, Jira, GITHub, Artifactory, Jenkins, Contentful and Confluence.
* **Programming Languages:** Python, C++, C and UNIX shell Scripting.