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**Professional Summary:**

* **Around** 9 years of experience in evaluating and assessing client requirements and implementing infrastructure to solve identified problems. Harnessed code and cloud-native technologies to create scalable and user-centric systems.
* Expertise in diverse Cloud Services, Build/release engineering tasks associated with the component/ Artifactory binary releases from Dev to Production environment.
* Good expertise in designing and building microservices adhere to 12 factor App-Policies.
* Led a team of 7 as a technical lead on both offshore and onshore for developing policies, standards, guidelines and related guidance in areas of Application security, CI/CD, Observability and logging.
* A team player with outstanding communication skills, possess hands-on IT expertise prioritizing CI/CD, Infrastructure Automation Security, Release management, Cloud Resource Utilization, Microsoft Azure, Amazon Web Services, Clous native Technologies such as Kubernetes.
* Extensive Experience with different cloud domains which includes Amazon Web Services (AWS), Microsoft Azure and Cloud Native Platforms.
* Automated service deployment in KONG API gateway as a part of CI/CD pipeline
* Proficient in AWS services such as EC2, ELB, Auto Scaling, S3, IAM, VPC, RDS, DynamoDB, CloudTrail, CloudWatch, Lambda, ElastiCache, SNS, SQS, CloudFormation, CloudFront etc.
* Codified production environment using Terraform and then shared with staging, QA and Dev and used these configurations to vertically spin up new environments to test.
* Experienced in Configuring and Deploying infrastructure and applications into cloud using AWS resources such as EC2 instances, S3, RDS, EBS, VPC, SNS, IAM policies, Route 53, Auto scaling, Cloud Front, CloudWatch, CloudTrail, CloudFormation, Security Groups focusing on fault tolerance and high availability.
* Implemented Terraform IaC solution for creating and managing Kubernetes clusters in AWS EKS and also implemented LDAP access model in AWS EKS using OpenID connector along with AWS IAM.
* Extremely skillful in Designing and implementing Microsoft Azure Solutions across a range of cloud models like SaaS, PaaS, IaaS, and integrated on-premises, on-demand workloads with the AWS public cloud.
* Built CIS compliant server imaging templates for multiple platforms using HashiCorp packer and Ansible playbooks, roles.
* Experience in data management tools like Grafana Loki, ELK.
* Controlled Version Control Systems/ Source Code Repository tools like Subversion, GIT, GitHub.
* Significant work experience on Jenkins, ArgoCD, Semaphore CI, UDeploy by installing, configuring and maintaining for continuous integration (CI) and continuous deployment (CD).
* Knowledge and Ease in working on Ansible Playbooks, Inventory files, Vault feature to configure the servers, deploy software, encryption of data file & orchestrate continuous deployments for zero downtime rolling updates. Worked on Ansible Tower which provides an easy-to-use dashboard, & role-based access control.
* Proficient in Containerization tools such as Docker, Kubernetes and handled several Docker components like Docker Engine, Docker-Hub, Docker Compose, Docker Registry, Docker Swarm and Orchestration tools such as Kubernetes.
* Extensively worked on setting up bare metal Kubernetes clusters with multi master control plane and scalable worker nodes based on customized node auto-scaler designed and developed from scratch.
* Having good expertise on multiple Container Storage Interface (CSI) and Container Network Interface (CNI) plugins for both Cloud and bare metal Kubernetes.
* Setup and maintained NFS, NIS, and TCP/IP network, configured the systems for TCP/IP Networking with the existing LAN, setting up SSH and SCP features between SUN systems and other Red Hat/UNIX hosts.
* Designed and developed HIPAA compliant SaaS based storage systems for handling and storing PHI/PII data for healthcare clients.
* Implemented enterprise grade secrets management as a solution on top of HashiCorp Vault and AWS secret manager based on the client’s requirement.
* Designed and developed one pipeline model for whole project which consists more than 30 microservices which are developed in Java, DotNet, NodeJs, ReactJS, Python etc.,
* Involvement in installing, configuring, updating, supporting and troubleshooting different services like LAMP (Linux, Apache, MySQL, PHP), OS level concerns, Web Servers (Apache Web Server, Nginx, JBoss, Apache Tomcat web server, IIS Server, Oracle web logic, and IBM WebSphere.
* Setup AKS with building automated Infrastructure provisioning using Terraform and Azure templates.
* Experience in database technology and warehousing such as MySQL, PostgreSQL, Aurora, and Redshift including NoSQL databases such as MongoDB, Dynamo DB and Elasticsearch.
* Hands on experience on working with System health and performance Monitoring Tools like Thanos, Prometheus, Grafana, Nagios, New Relic, Datadog.
* Designed and developed centralized monitoring and logging setup for more than 20 Kubernetes clusters using Thanos and Grafana Loki and also built robust alert system with Thanos ruler as central alert manager.
* Worked in an Agile development team to deliver an end-to-end continuous integration/continuous delivery product in an open-source environment using tools like Puppet, Ansible.
* Well versed with Software development (SDLC), Test life cycle (STLC), and Bug life cycle and worked with testing methodologies like waterfall and agile methodology (SCRUM) with in-depth understanding of the principles and best practices of Software Configuration Management (SCM)
* Good knowledge on ITIL Process and have worked on coordinating releases across the projects.
* Strong understanding on system administration, configuration and customization of Atlassian tools like Bitbucket, JIRA and Confluence. Involved in setting up JIRA as defect tracking system and configured various workflows, customizing JIRA and Confluence to take the forefront of the new systems.
* Experience in Bug Tracking, Project Management tools like JIRA, ClearQuest and HP Quality Center.
* Highly organized, detailed oriented, able to plan, prioritize work and meet deadlines work well under tight deadlines.
* Excellent communication, interpersonal, intuitive, and analytical and leadership skills with ability to work efficiently in both independent and teamwork environment.

**Certifications:**

* Certified Kubernetes Administration (CKA)
* AWS certified Solutions Architect - Associate

**Technical Skills:**

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| **Scripting & Languages** | Python, Shell Scripting, Groovy, Java, DotNet & DotNet Core |
| **Containerization** | Docker, Containerd, Kubernetes, Rancher(rke2) |
| **CI/CD Tools** | Jenkins, ArgoCD, Gitlab pipelines, GitHub actions, Semaphore CI, uDeploy, Kustomization, Flux CD, Azure DevOps |
| **Build Tools** | Maven, Nexus, ANT, SonarQube, Anchor |
| **Databases** | Elasticsearch, MongoDB, PostgreSQL |
| **Artifactory Tools** | Helm, JFrog Artifactory, Nexus |
| **Version Control** | GitHub, Gitlab, Bitbucket, Subversion (SVN), TFS |
| **Configuration Management** | Ansible, Puppet, Hashicorp Packer |
| **Infrastructure Management** | Terraform, Azure Resource Manager, AWS CloudFormation |
| **Monitoring Tools** | Prometheus, Thanos, Nagios, Grafana, New Relic, Datadog |
| **Logging Tools** | ELK, Grafana Loki, Graylog, FluentD, Fluent-bit |
| **Security Tools** | Openssl, Ip route, dig, traceroute, netstat, FirewallD |
| **Networking Protocols/Services** | LDAP, DNS, BIND, HTTP, HTTPS, POP3, NFS, TLS/SSL, DHCP, Kerberos, SAMBA, SQUID, Hashicorp Consul, Istio, Envoy Proxy, M-TLS, KONG API Gateway, OpenVPN |
| **Secrets Management** | AWS Secrets manager, Hashicorp Vault |
| **Cloud Technologies** | AWS, GCP, Azure, OpenStack, Cloud Native Platforms |
| **Bug Tracking Tools** | Bitbucket, JIRA, Confluence |
| **Web Servers** | Web logic, WebSphere, Apache Tomcat, Nginx, HA-Proxy |
| **OS** | Red hat, CentOS, Debian, Ubuntu, Linux, Windows 8/7/Vista/XP. AIX, Mac OS |

**Work Experience:**

**Athenahealth | Watertown, MA Aug 2021 - Present**

**Role: Senior Member Technical Staff & Lead DevOps Engineer**

**athenahealth** was formed, bringing together two companies with decades of experience in healthcare technology: athenahealth, Inc. and Virence Health. Our combined technology, insight, expertise, and customer base give us a vast, nationwide footprint. That’s why we’re uniquely positioned to unlock and understand healthcare data from across the nation.

**Responsibilities:**

* Leading DevOps processes inside team.
* Developed automation for Infrastructure patching with AWS CloudFormation and python.
* Implemented cost optimization policies by adopting cloud custodian open-source project which resulted in saving more than $15000 per month.
* Involved in building security model, VPC on AWS.
* Automated whole process of onboarding applications to API Gateway using Python.
* Implemented Terraform IaC solution for creating and managing Kubernetes clusters in AWS EKS and also implemented LDAP access model in AWS EKS using OpenID connector along with AWS IAM.
* Automated the migration of projects from JIRA to Azure DevOps.
* Deployed EKS cluster for running Zeebe workflow engine and enabled monitoring as well.
* Implemented logging and monitoring solution using Graylog, Prometheus and Grafana.
* Followed up with clients to verify optimal customer satisfaction following support engagement and problem resolution.
* Implemented Terraform IaC solution for creating and managing Kubernetes clusters in AWS EKS.
* Implemented LDAP access model in AWS EKS using OpenID connector along with AWS IAM.
* Worked on designing and developing CICD model for application running in EKS using Flux CD and Kustomization.
* Built monitoring solution from scratch with Datadog from application running on both EKS and base metal servers.
* Enabled AWS components monitoring in Datadog by pushing CloudWatch data to Datadog with Datadog forwarder.
* Designed and Developed migration solution for moving projects from JIRA to Azure DevOps with zero manual intervention.
* Automated patching to docker base images and AMIs with respect to CIS guidelines as well Organization security policies.
* Worked closely with Database teams to automate database administration tasks in snowflake and RDS.
* Developed self-service and self-healing capabilities for dev and production systems wherever it is required.

**Environment:** AWS (EC2, AWS Route53, VPC, AWS IAM, AWS RDS, AWS S3, AWS ELB, Cloud Formation), Azure DevOps, Azure Machines, DevOps, AKS, Micro-Services, Linux, ELK Stack, Prometheus, Thanos, Grafana Loki, Datadog, New Relic, Jenkins, Maven, Ansible, Python, Groovy, Java, DotNet Core, Shell Scripts, Ansible, Terraform, Docker, Jenkins, Kubernetes, Helm, Version Control, SonarQube.

**Rupeek Fintech | Bengaluru, IN Sep 2020 – Jul 2021**

**Role: Senior DevOps/SRE Engineer**

**Rupeek is a leading asset-backed, digital lending fintech platform that provides.** **We provide low interest online gold loans at the convenience of our customer's home. Our easy 4 step gold loan process ensures your gold loan experience remains safe; personal & tension free. Their low interest schemes make loan against gold an accessible option for our customers to fulfil their needs.**

**Responsibilities:**

* Developed Infrastructure as Code with Terraform and Atlantis.
* Wrote automation to build AMI with Packer and Ansible.
* Wrote automation in Terraform for deploying EKS clusters.
* Designed and implemented one pipeline CICD model for all the applications running in EKS clusters.
* Wrote Helm charts and setup helm and docker repositories.
* Deployed Istio ingress and service mesh for EKS.
* Deployed monitoring and logging solutions for Kubernetes clusters.
* Automated whole pipeline creation and with just one processed Pull Request in GitHub that decreased manual intervention by 80% in creation and maintaining consistency.
* Created Ansible playbooks to automatically install packages from a repository, to change the configuration of remotely configured machines and to deploy new builds and Configured the Ansible playbooks with Ansible Tower.
* Involved in scrum meetings, product backlog and other scrum activities and artifacts in collaboration with the team.
* Created scripts in Python which integrated with Amazon API to control instance operations.
* Implemented AWS solutions using EC2, S3, RDS, Dynamo DB, Route53, EBS, Elastic Load Balancer and Auto scaling groups.
* Automated patching to docker base images and AMIs with respect to CIS guidelines as well Organization security policies.
* Wrote automation in Python for enforcing policies and tags to newly created resources in AWS, Jenkins RBAC and KONG API platform.
* Developing scripts for build, deployment, maintenance, and related tasks using Jenkins, Docker, Maven, Python and Bash.

**Environment:** AWS (EC2, AWS Route53, VPC, AWS IAM, AWS RDS, AWS S3, AWS ELB, AWS EKS, Cloud Formation, Cloud Watch), AKS, Tomcat Apache, Micro-Services, Linux, ELK Stack, Maven, Ansible, Python, Groovy, Shell Scripts, Ansible, Docker, KONG API Gateway, HashiCorp Packer, HashiCorp Vault, Jenkins, Kubernetes, Helm, Git, GitHub Actions, SonarQube, ELK Stack, Terraform, Prometheus, Thanos, Grafana Loki, EFS CSI driver, Anchor, Istio Ingress.

**Droice Labs | Bengaluru, IN Apr 2020 – Sep 2020  
  
Role: Senior DevOps Engineer  
Droice Labs** are developing a product which is a vertically integrated, AI-based data enablement technology that ingests raw, messy patient data-including free text and unstructured content from various sources and transforms them into research-ready form. Trained and tuned on data from millions of patients, Hawk helps accelerate research and clinical decision-making for several large health systems and life sciences companies.

**Responsibilities:**

* Wrote automation using Ansible for Infrastructure provisioning.
* Wrote AWS WAF policies in AWS.
* Implemented cloud-custodian project for all AWS accounts which resulted in $1200 monthly cost savings.
* Developed quality reporting app in Python for sending daily and weekly reports.
* Setting up and maintaining different databases such as PostgreSQL, MYSQL and MongoDB and written automaton scripts using python for backup and restore process.
* Coordinate/assist developers with establishing and applying appropriate branching, labelling / naming conventions using GIT source control
* Understand the latest features like (Azure DevOps, OMS, NSG Rules, etc..,) introduced by Microsoft Azure and utilized it for existing business applications.
* Set up OpenVPN for whole organization with scalable infrastructure.
* Integrated Docker container orchestration framework using Kubernetes by creating pods, config Maps, deployments.
* Configured AD connect to configure federation with on-premises ADFS and Azure AD.
* Created Azure services using ARM templates (JSON) and ensured no changes in the present infrastructure while doing incremental deployment.

**Environment:** AWS, Azure, Open VPN, AKS, EKS, Python, Jenkins, Docker, Kubernetes, Apache Tomcat, Shell Scripting, HashiCorp Vault, Jenkins, Kubernetes, Helm, Git, GitHub Actions, Java, SonarQube, ELK Stack, Terraform, Dot Net, Prometheus, Grafana.

**Fidelity Investments | Chennai, IN Jul 2018 – Apr 2020**

**Role: Software Engineer – DevOps**

**Fidelity Investments**, commonly referred to as Fidelity, earlier as Fidelity Management & Research, is an American multinational financial services corporation based in Boston, Massachusetts. It is one of the largest mutual fund companies in the U.S. Headquartered in Boston, the firm offers financial products and services to more than 40 million individuals.

**Responsibilities:**

* Wrote Ansible playbooks, roles and modules to configure different tech stack in the servers.
* Wrote Python modules for more than seven different use cases which were published later on organization’s python library.
* Designed and Developed Ansible Tower setup which helped developers to directly trigger deployment jobs using Tower APIs.
* Developed Self service automation tool using Jenkins, Docker, Ansible and Python for Fidelity's ecosystem to automate server creation and provisioning.
* Maintained the White-Source DB by keeping it up-to date with CVE bugs we get from day-to-day usage of open-source libraries.
* Optimized CICD process to reduce manual intervention by automating almost all the approval stages as well automated the change management process for production deployments.
* Set up monitoring in New Relic by enabling Application performance monitoring (APM) for more than 80 plus microservices.
* Implemented auto scaling infrastructure for handling more than 80+ microservices that runs completely on 12 Amazon Kubernetes (AWS EKS) clusters.
* Designed and developed a reporting tool using Python and Flask for generating Daily, Weekly and Monthly based on metrics such as SLA, infra capacity in Use, etc.
* Worked on automating Database deployments through configuring pipelines using Datical and uDeploy.
* Worked closely with Information security on security bugs we face due to non-compliant network and system configurations.
* Implemented KONG API Gateway platform using terraform and Ansible as the default Gateway for all the microservices deployed in 2.0 cloud infrastructure.
* Administered EKS clusters and built CI/CD pipelines for microservices.
* Architected and Implemented logging solution for both Non-Prod and Prod systems using ELK stack and SumoLogic as the centralized logging utility.
* Organized DevOps day in BU level to educate application teams about DevOps processes and tools by opening new doors for collaboration.
* Trained developers and discussed issues in order to provide resolution and utilize best practices.

**Environment:** AWS Cloud Services, Puppet, Ansible, Sumologic, New Relic, Jfrog, Hashcorp Terraform, Python, ELK, Grafana, Prometheus, Maven, Java, DotNet, AWS EKS, KONG API Gateway, CVE Bug tracking, Centralized Logging, GIT, Bitbucket, Docker, Kubernetes, MongoDB, Cypress, Jmeter, Splunk, MySQL, PostgreSQL, Windows, Linux.

**Cognizant Technology Solutions |** [**Chennai, IN**](https://www.google.com/search?sxsrf=APwXEdc1BhamIVo8ry5COxBGrT7T9Jfi2g:1682716399638&q=Teaneck&stick=H4sIAAAAAAAAAONgVuLQz9U3qMgxsHjEaMwt8PLHPWEprUlrTl5jVOHiCs7IL3fNK8ksqRQS42KDsnikuLjgmngWsbKHpCbmpSZnAwCLnZIYTAAAAA&sa=X&ved=2ahUKEwiOgoiKv83-AhXfBTQIHetfCcAQzIcDKAB6BAglEAE)  **Feb 2016 - Jul 2018**

**Role: Senior Systems Analyst & Senior DevOps Engineer  
Cognizant DevOps R&D** is core team that is highly focused on enabling DevOps areas with building next-gen solutions for business-critical systems. **Boots, UK** is the UK’s leading health and beauty retailer. For over 170 years, we’ve listened, learned and innovated, and continue to challenge ourselves to improve our products and services every day.  
**Maplin Electronics, UK** is an online retailer of consumer electronics in the UK. The company has more than 200 stores across the UK and more than 30,000 products to choose from in-store and online. It was founded in 1972.  
  
**Responsibilities:**

* Worked for multiple clients (Boots, Maplin UK) in retail background as individual contributor for building and maintaining DevOps pipelines.
* Re-written all existing Jenkins pipelines to pipeline as code which saved 50% of provisioning time.
* Implemented WebSphere commerce build and deployment (WCBD) workflow for Boots UK project.
* Developed automation for setting up Hybris build server.
* Performed build and deployment in DEV, TEST, OAT, PERF, PROD and PSUP severs and provided support for all planned and emergency deployments of minor release and enhancement.
* Designed and implemented scalable, secure Cloud foundry architecture based on Amazon Web Services. Leveraged AWS cloud services such as EC2; auto-scaling; and VPC (Virtual Private Cloud foundry) to build secure, highly scalable and flexible systems that handled expected and unexpected load bursts and can quickly evolve during development iterations. Implemented multiple high-performance MongoDB replica sets on EC2 with robust reliability.
* Created continuous integration system using Jenkins.
* Developed Windows Power shell script to automate setting of user credentials and activation of Windows Helping the Project team to get transformed to Scrum methodology using TFS 2012.
* Implemented quality release of Applications and solutions for Delivery Manager.
* Hands on Exposure on TFS Version Control, VSS, SVN.
* Imported and managed multiple corporate applications in Subversion (SVN).
* Used configuration management tools Chef, Puppet and Ansible.
* Proposed branching strategy suitable for current application in Subversion.
* Smoke Test the deployed application for standard functionality of the application. Automated most of the daily task using python scripting.
* Developed Python scripts for testing the car functioning on different services.
* Used Docker in build automation pipeline and production deployment & implemented the setup for Master slave architecture to improve the Performance of Jenkins. Used Jenkins for Continuous Integration and deployment into Tomcat Application Server.

**Environment**: ANT, MAVEN, Subversion (SVN), CHEF, Docker, Vagrant, EC2, Ansible, JIRA, LINUX, RHEL, SNS, SQS, Kubernetes, Shell/Perl Scripts, Bitbucket, Python, TFS, SCM, API, GIT, Jenkins, Tomcat, Java, Azure TFS, Azure VSTS, Visual Studio, Visual Studio Code, Git-Bash, Python.

**Skanda Software Solutions | Tirupati, IN**

**Roles:   
 System Analyst – DevOps Jun 2015 – Dec 2015  
 System Analyst - Intern Oct 2014 – May 2015**  
**Skanda Software solutions** providing software solutions that can operate in different domains like Educational Management Software, Hospital Management system, Billing and inventory software retail with GST or Without GST (like supermarket, Pharmacy etc.,). Our capabilities include Concept, Design, Validation, Evaluation, Installation and provide technical and maintenance support, on turnkey basis.

**Responsibilities:**

* Used configuration management tools Ansible.
* Build and release software baselines, code merges, branch and label creation and interfaced between development and infrastructure.
* Experience with build tools Ant and Maven for writing build. CXML’s and pommels respectively.
* Partially worked as build tools administrator (SVN, Jira, and Jenkins).
* Used JIRA tool to track all the defects and changes related to Build and Release team.
* Responsible for coordinating the Offshore and Onsite team and resolve all the issues faced by the team.
* Extensively used Power Exchange to create and migrate Data maps from system level to Informatics servers.
* Writing shell and PowerShell scripts for automated deployments especially in handling all the tasks before admin console deployments.

**Environment**: Ansible, Maven, Puppet, CI, CD, SFTP Tool, TFS 2015, Nant, SCM Tool, MSVisio, Windows 2003, HTML. Web forms, ASP.NET, C#.NET, API’s, .NET Framework 4.0/3.5, Sql Server 2012/2008, Visual studio.Net 2008/2010, IIS 6.0/7.0, SSIS, SSRS, SSAS, XML, XSLT, CSS, MS office 2007, Quality center

**Education Qualifications:**

* Bachelor of Technology from Jawaharlal Nehru Technological University, India.