

Shubham Meshram

DEVOPS ENGINEER

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Experience

PRISMFORCE | B2B SAAS for IT Companies

Mumbai, Maharashtra

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[Feb' 20 - PRESENT]

- PrismForce provides solution for HRMS (HR Management Systems), PMS(Project Management Systems), LMS(Learning Management Systems) & RMS(Resource Management Systems) for IT Companies.
- Collaborating with Developers, Leading 15 Interns from Development, Testing & Sales, and coordinating with Product and Tech teams, oversee releases, tech hiring, Onboarding, and Deployment on AWS.
- Responsible for managing & Troubleshooting 28 EC2 instances across 4 environments i.e Production, QA, Staging & Development for the deployment of Nodejs and AngularJS applications.
- Responsible for designing AWS Infra using SOC2 Strategies and Deployed as per it from Scratch..
- Setup ADFS(Active Directory Federation Services), LDAP(Lightweight Directory Access Protocol) for SSO(Single Sign On) integration.
- Setup Gitlab Pipeline for Angular & Node with different release branches across different servers.
- Setup Frontend & Backend application with database using bash scripts.
- Technologies used:- AWS for Infra, Nginx as webserver, Postgresql as Database, GitLab for Remote Repository, AWS Cloudwatch for Monitoring, and Logging.

CLOSE CHECKOUT | SAAS for E-Commerce Merchants

Bangalore, Karnataka

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[July' 20 - Feb' 21]

- Close Checkout Provides Plugins and a SAAS Platform for e-commerce merchants that increases conversion rates by reducing the time for checkout process by up to 40 %.
- Collaborating with Developers, Leading 7 Interns from Development to Sales, and coordinating with Product and Tech teams, oversee releases, tech hiring, Onboarding, and Deployment on AWS.
- Responsible for managing & Troubleshooting 28 EC2 instances across 3 environments i.e Production, UAT, and Staging for the deployment of 6 nodejs and reactjs applications.
- Responsible for designing AWS Infra using PCI-DSS Strategies and Deployed as per it from Scratch.
- Deploy a MongoDB replica set in production along with automated backups and restores using Cloudwatch Events and Lifecycle Manager.
- Application and server-level monitoring and automatic notifications by using a combination of AWS Cloud agent, pm2 logs, Winston Logs, Nginx, and AWS Lambda. Monitor CPU usage, RAM, and 5xx API errors.
- Technologies used :- AWS for Infra, Nginx as a webserver, MongoDB as Database, GitLab for Remote Repository, Jenkins for CICD, AWS Cloudwatch & Winston Logs for Monitoring, and Logging.

LINSYSSOFT TECHNOLOGIES | Service Based Startup

Pune, Maharashtra

AWS CLOUD ENGINEER

[Mar' 18 - July' 20]

- Linsyssoft Technologies is startup Provides Services for Small Startups from Development to Deployment.
- Responsible for Handling 2 QA Servers & 4 Staging Servers.
- Making Secure Infrastructure from Setuping SSL to Securing Ports by Referring PCI-DSS Compliance Strategies.
- Application and server-level monitoring, and automatic notifications by using a combination of AWS Cloud agent, pm2 logs, Nginx. Monitor CPU usage, RAM, and 5xx API errors.
- Responsible for maintaining & Troubleshooting Disaster Recovery and Highly Available Infra.
- Technologies used:- AWS for Infra, Nginx as webserver, MongoDB as Database, GitHub for Remote Repository, AWS Cloudwatch for Monitoring, and Logging.

Projects

Close Checkout : Fastest 1-Tap Checkout

- Close Checkout provides plugins and a SaaS platform for e-commerce merchants that increases conversion rates by reducing the time for the checkout process by up to 40%.
- Close Checkout is a 1-Tap checkout. When you see a Close Checkout button on your favorite website and have already signed up for Close, press the button, and your order is confirmed. On the first-time signup, we take the necessary information for placing an order and ask the user to add a card.
- Designed the AWS Architecture using PCI-DSS Strategies.
- Designed and Deployed the Infra on AWS Cloud by making it Secure and reliable.
- Deployed ReactJS & NodeJS web applications on AWS Cloud.
- Services Used : EC2 , VPC , S3 , ELB , ASG , MongoDB ,EBS , SNS ,IAM , CloudWatch , Route 53 , Jenkins , GIT .

Learning Management Systems : Cleverground

- Clever Learning Management System by CleverGround is designed and curated to suit the digital needs of modern Tutions and Colleges. Bringing the exact classroom experience to your mobile phones with the ease of automation.
- CleverGround provides organized & quick access to all classroom material to students & professors. Be it class notifications, exam results, or quizzes, everything is at your fingertips.
- Designed and Deployed the Infra on AWS Cloud by making it Secure and reliable.
- Deployed ReactJS & NodeJs web applications on AWS Cloud.
- Services Used : EC2 , VPC , S3 , ELB , ASG , EBS , SNS , IAM , CloudWatch , Route 53 , MongoDB , GIT.

Education

MGM's Jawaharlal Nehru Engineering College

Aurangabad

BACHELOR OF ENGINEERING, PERCENTAGE: 61.2

July 2016

- **Ambedkar College, Bramhapuri** — *Percentage : 58.50 , 2012*
- **Ambedkar High school, Bramhapuri** — *Percentage : 79.27 , 2010*

Roles and Responsibilities

Amazon Web Services

- Designed the Secure AWS Architecture and Implemented the Infrastructure according to that.
- Experienced in Handling Production, UAT/QA, and Staging Servers at the same time.
- Experience in Deploying End to End Setup of ReactJS and NodeJS Applications On AWS cloud.
- Created and configured Application load balancer and auto-scaling groups to distribute the traffic and to have a cost-efficient, fault-tolerant, and highly available environment.
- Experience in Setuping the VPN (OpenVPN) to securely connecting the Private Production Servers as well as Bastion to access the Database Servers and Private Servers.
- Created High Availability MongoDB database by creating MongoDB ReplicaSet and managing their backup using Cloudwatch Events.
- Generated and set up SSL certificate for the Main domain and for Subdomain (Wildcards) using LetsEncrypt, Acme-Nginx, and AWS ACM (Certificate Manager).
- Created different Cloudwatch Alarms for Status Checks, CPU Utilization, RAM and Volume Utilization, Error Codes like 5XX, 2XX, and 4XX on ELB as well as on Target Groups.
- Experienced in creating multiple VPC's and public, private subnets as per requirement and distributed them as groups into various availability zones of the VPC.
- Created S3 buckets in the AWS environment to store files, to host Static web application, to Monitoring the data in an S3 bucket using S3 Events, Bucket Policy, and URL redirection.
- Generated the Custom metrics and Logs using Cloudwatch Agent.
- Experience in Writing Python Scripts for Uploading Objects in S3 Bucket, Automated EBS Backup, Auto Restart Stopped Instance.
- Used security groups, internet gateways, and route tables to ensure a secure zone for organizations in the AWS public cloud.
- Implemented domain name service (DNS) through route 53 to have highly available and scalable applications.
- Created S3 buckets in the AWS environment to store files, to host Static web application, to Monitoring the data in an S3 bucket using S3 Events, Bucket Policy, and URL redirection.
- Created Manual EBS snapshots for creating volumes as well as Automated EBS backup using Aws backup service, Cloudwatch Events, AWS Lambda, and lifecycle manager.
- Created NAT gateways and instances to allow communication from the private instances to the internet through bastion hosts.
- Used IAM for creating roles, users, groups and also implemented MFA to provide additional security to AWS account and its resources.
- Maintained the monitoring and alerting of production and corporate servers using the Cloud-Watch service.

GitLab

- Performed all necessary day-to-day GIT support for different projects.
- Designed and Maintained the GIT Repositories, and the access control strategies.
- Implemented and Maintained the branching and build/release strategies using GIT.

Jenkins

- Good Experience in creating CI-CD using Jenkins.
- Setup and Created the Jenkins Jobs for ReactJS and for NodeJs.
- Setup Jenkins Configuration for Staging, UAT, and Production Servers.
- Setup SSL for Jenkins Server for Security.
- Build and Push custom docker images to AWS ECR (Elastic Container Registry).

Docker

- Good Knowledge of creating the DockerFile and Build the Custom Images using Dockerfile.
- Experience in Pulling the Official images from DockerHub and Create Containers from them and Exposing them to End Users.
- Created Different Docker Containers like: Nginx, Ubuntu, Jenkins, MongoDB.

Additional

- Worked on Work Management tool i.e Airtable.
- Worked on Jira Software for Tracking of assigned work and Production Releases.
- Used Documentation tools like Notion.

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