**RESUME**

**DEVOPS AWS SRE PYTHON**

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| Professional Summary: |

* + Having 5 years of experience in IT field as **AWS-Devops Engineer,Site Reliability Engineer(SRE), Build support Engineer** with good experience on DevOps tools and Linux.
  + As an SRE, responsible in performing Ops work as well as understanding development needs and support accordingly by having continuous coordination with Development and R&D teams.
  + Experienced in performing daily activities like creating builds, deploying the live level configuration changes, version upgradations, Service level activities individually.
  + Working experience on middleware technologies like **kafka and Redis**.
  + Actively worked in raising Inner and outer **ELB** requests by communicating with Infrastructure team (Solution Architects).
  + Experienced in handling analyzing web server level issues (**Tomcat and Nginx**)
  + Working in an environment where Nginx is used as a **Reverse Proxy server (as SLB).**
  + Having experience in handling the tasks using a standard Change procedure using Workflow management. Also experienced in **Jira** based standard change procedure.
  + Experienced in deploying for microservice (**kubernates**) based on Degree of Parallelism (**Blue/Green deployments**)
  + Actively participated in drills by injecting faults (using **Chaos Monkey**) to test the Service reactiveness to fault.
  + Good in handling the deployments using DevOps based automation. Also having experience in IaC kind of deployments (Using **Terraform, Ansible**)
  + Having experience in using log analysis and monitoring tools like **Grafana and Kibana**.
  + Experienced in using automated monitoring like **AIOPS**.
  + Worked with different Bug tracking tools like JIRA.
  + Used Kubernetes to deploy scale, load balance, scale and manage docker containers with multiple names spaced versions.

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| Technical Skills: |

Operating Systems : LINUX and Windows

SCM Tools : GIT

Build Tools : Maven

CI/CD Tools : Jenkins, WiseEye (Huawi’s Tool)

Configuration Management Tools : Ansible

Containerization Tools : Docker, Docker Swarm, Kubernetes, ECS

Programming/Scripting : Shell, Python, Bash, Groovy

Middleware : Kafka,Redis

Repository Managers : Nexus and Artifactory

Logging & Monitoring Tools : AIOPS (Huawei) Grafana & Cloud watch

Cloud Technologies : AWS, HWS (Huawei Web Services)

**Messaging Services :** Apache Kafka and SNS

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| Work Experience: |

* Working as a AWS-DevOps & Site Reliability Engineer in **Capgemini** from October 2021 to till date
* Worked as a DevOps Engineer in **Sookshmas E-learning PVT.LTD** from March 2020 to June 2021
* Working as a Software Engineer in **Mind Tree** from October 2019 to February 2020
* Worked as a Intern in **Sookshmas E-learning PVT.LTD** from Feb 2019 to May 2019

**Project#1**

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| **Name** | **:** | Huawei |
| **Role**  **Environment:** | **:** | Devops, AWS & Site Reliability Engineer  AWS, Terraform, Maven, Jenkins, Ansible, Kubernetes, Python, Shell Scripting, JFrog Artifactory, Jenkins, Git, Jira, GitHub, Docker & LDAP |
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* Experience in AWS cloud platform offering services (EC2, VPC, AMI, ELB, Auto Scaling, S3, IAM, Cloud Watch).
* Experience in Setup/Managing EC2 instances and attaching EBS volumes.
* Increase/Decrease the CPU & Memory for EC2 machines based on the request. • Deployed the application in dual-cloud environment and conduct the drill to ensure the failover is success and application availability.
* Used AWS for implementation of the services to manage an environment with 2000+ servers.
* Have used ec2 instances, private and public subnets, route tables, ELBs, elastic IPs, security groups etc
* Have changed the certificates for the assigned service ELB’S.
* Have upgraded the kernel patch for the Linux servers.
* Deployed the services for the business with applications such as nginx, tomcat, nuwa, etc.
* Integrated the middleware with the dual cloud guider for monitoring and switching.
* Configured the Nginx as an slb, deployed and created topics for the dmq service.
* Configured HCW & Zabbix alerts for monitoring the servers.
* Coordinated with R&D for regular update and patching of the services.
* Handled different alarms related to the services.
* Providing Support for Production and Test servers for 24/7 basis and Participating ONCALL during weekends.
* Monitoring production applications and networks to identify Network or hardware issues before they impact the production operations.
* Enhance and maintain our logs collection, processing and visualization infrastructure.
* Automate systems configuration by writing policies and modules for configuration management tools
* Interacting with APPLICATION team & DATABASE team as per the requirement.
* Actively participating in application outages/incidents and communicating customer with regular updates.
* Handling Incidents and work towards the solution and solving them within SLA.
* Transporting the sites one data center to another data center.
* Taking the Database/Table dumps site wises and sharing with customers based on the customer requests.
* Experienced in deploying for microservice (**kubernates**) based on Degree of Parallelism (**Blue/Green deployments**)
* Attending customer support meeting weekly regarding application experience and outages.
* Providing Support for Production and Test servers for 24/7.
* Worked on Ansible developing automate infrastructure provisioning and configuration management across the environment
* Experience in Grafana configuration for Monitoring the server’s CPU and Memory.
* Hands on experience writing shell scrips.

**Project#2**

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| **Name** |  |  |  | **:** | Lending Stream |
| **Role** |  |  |  | **:** | DevOps Engineer |
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| **Tools** |  |  |  | **:** | AWS, Git, Maven, Apache Tomcat, Jenkins, Docker |

**Description:**

Payday loans originated in the United States and have been growing quickly in the UK market over the last five years. They offer a relatively small amount of capital for a short term, often under two weeks on average.

**Roles and Responsibilities:**

* Extensively worked on GITas a source code management.
* Used Maven as a build tool for java-based projects and Apache Tomcat as web server to deploy web applications.
* Efficient in Maven for the build process and Jenkins as continuous integration build tool and worked on build failures on trouble shooting.
* Managed Maven project dependencies by creating parent-child relationships between projects.
* Installed/Configured/Managed Jenkins CI Automation.
* Deploying the **JAR/ WAR** files in Tomcat app server.
* Used Identity and Access Management (IAM) to assign roles and to create and manage AWS users, groups and use permissions to AWS resources. And also Used [Simple Notification Service](https://us-west-2.console.aws.amazon.com/sns/home?region=us-west-2) (SNS) as email alert system by creating topics and subscribing users email to topics.
* Manage tickets using Jira Tool.
* Responsible for the Plug-in Management, User Management, Build/Deploy Pipeline Setup and End-End Job Setup of all the projects.
* Create/Managing buckets on S3 (CLI) and store db and logs backup. Perform S3 buckets actions and Objects creation and deletions.
* Configure the servers with the Cloud Watch monitoring and monitor the performance metrics of the production servers.

**Project#3**

**Client: Unilever**

**Role: Build & Release Engineer**

**Environment: Git, GitHub, ANT, Jenkins, Web logic Server, Shell scripting, Nagios**

**Roles & Responsibilities:**

* Involved in Planning, Defining and Designing data based on business requirements and provide Documentation
* Creating branches and tags on Git repository and provided branches access permission to dev team
* Used Jenkins for Continuous Integration and deployment into Web logic Server
* Worked on Jenkins tool to configure Nightly Builds to check sanity of our java source code
* Worked with the release and deployment of large-scale Java/J2EEWebapplications
* Worked on Release management, Environment Management, Continuous deployments, Continuous integration
* Used ANT build tool for deploying scripts and deploy processes using Jenkins to move from one environment toother
* Administration/Maintenance experience of source control management systems, such as Git. Managed project dependencies by creating parent-child relationships between projects
* Installed and administered repository to deploy the artifacts generated by ANT and to store the dependent jars, which were used during the build
* Used Nexus repository manager to share the artifacts by configuring the repository manager
* Worked on continuous integration tool like Jenkins for End-to-End automation for all build and deployments
* Built and deployed Java/J2EE to Tomcat Application servers in continuous integration process and automated the whole process implementing a CI/CD using Jenkins
* Installed and configured the packages using YUM and RPM package managers
* Developed automated processes that run daily to check disk usage and perform cleanup of file systems on Unix/Linux environments using shell scripting
* Assisted on monitoring servers and responding to event notifications (Service outages, Load Alerts etc.) using Nagios
* Provided support for more than 5 different applications for Configuration Management and build, designed and deployed for production and lower environments
* Used ANT build tool for deploying scripts and deploy processes using Jenkins to move from one environment toother
* Administration/Maintenance experience of source control management systems, such as Git. Managed project dependencies by creating parent-child relationships between projects
* Used Nexus repository manager to share the artifacts by configuring the repository manager
* Worked on continuous integration tool like Jenkins for End-to-End automation for all build and deployments
* Built and deployed Java/J2EE to Tomcat Application servers in continuous integration process and automated the whole process implementing a CI/CD using Jenkins
* Installed and configured the packages using YUM and RPM package managers
* Developed automated processes that run daily to check disk usage and perform cleanup of file systems on Unix/Linux environments using shell scripting
* Assisted on monitoring servers and responding to event notifications (Service outages, Load Alerts etc.) using Nagios

**Project#4**

**Company : Sookshmas E-learning PVT.LTD**

**Roll :** Intern

**Environment :** HTML, CSS, Angular JS, JQuery ,MongoDB, Node JS

**Roles and Responsibilities:**

* Build websites using WordPress.
* Prepare website proposals to present to clients.
* Provide technical support to clients.
* Write coding using HTML, Angular JS, JQuery and CSS.
* Design new features for existing websites.

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| Educational Qualifications: |

MCA from VTU University Bangalore, 2019 passed out.

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| Declaration: |

I hereby declare that the above-mentioned information is correct up to my knowledge.

**Place:** Bangalore.

**Bindya**