

JALIGAM AKHIL KUMAR
DEVOPS AWS ENGINEER

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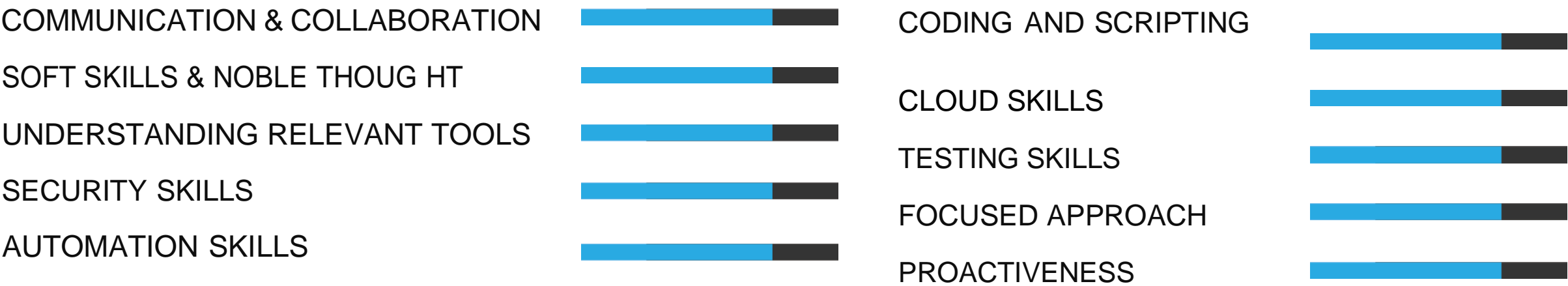
ABOUT ME

Overall, 3.5 years' experience in IT Industry as a DevOps AWS Engineer, with Configuration Management, Build, Release Management and Quality Assurance using CVS, Subversion, GIT, Mercurial & Clear Quest on UNIX and Windows environment. Knowledge of puppet as a Configuration Management tool, to automate repetitive tasks, quickly deploy critical applications, and proactively manage change. Set up the framework for one click's build and deployment on non-production environments.

EDUCATION

- MBA 2018
Aurora P.G College Osmania University
- B.sc 2016
Government City College, Osmania University
- XII 2013
Sri Gayatri Jr.College(M.P.C)
- X 2011
New Brilliant High School

CORE SKILLS



TECHNICAL SKILLS

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|--------------------------|-------------------------------|----------------------|---------------------------------|
| Cloud Computing | AWS | Virtualization Tools | DOCKER, VMWARE, VIRTUALBOX |
| Source code management | GIT, GITHUB | Monitoring Tools | NAGIOS, PROMETHEUS, LOGSTASH, |
| Build Tools | ANT, MAVEN, GRADLE | | KIBANA, ELASTICSEARCH |
| CI Tools | JENKINS, KUBERNETS, TERRAFORM | Web/App Servers | TOMCAT, WEBLOGIC, JBOSS & NGINX |
| Configuration Management | CHEF, ANSIBLE, PUPPET | Operating Systems | WINDOWS, LINUX/RHEL |



EXPERIENCE

- Nov 2018 - Present
DevOps AWS at SOFTPILLAR TECHNOLOGIES PVT LTD
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HIGHLIGHTS

Guided the PG level projects for the M.Tech and B.Tech students; ensured adherence to university policies and academic regulations.

Published paper in International Journal of Electronics and Communication Engineering (13 ECE), ISSN on 'Performance Evaluation of Cluster Tree Topology based Wireless Sensor Networks'.

Implemented effective solutions to the student needs with an aim to improve students' academic and extracurricular performance.

Worked as Training and Placement Coordinator for ECE department in Swarnandhra College of Engineering and Technology for 4 years.

PROJECTS DELIVERED

Project 1:

Role: DevOps AWS Engineer

Project Description:

- Designed, configured and managed public/private cloud infrastructures using AWS, including EC2, VPC, AWS Lambda, Elastic Load Balancer, Cloud Watch and IAM.
- Installed and configured Jenkins and created master and slave nodes for handling multiple builds, installing plugins wherever required for the implementation of the builds.
- Implemented Docker containers to create various environments to deploy the applications.
- Configured Docker containers and created Docker files for different environments.
- Used Ansible as Configuration management tool to automate repetitive tasks and to quickly deploy critical applications by using Ansible Playbooks, Modules and Roles.
- Installed Chef Server on the workstation and bootstrapped the nodes using Knife and involved in writing Chef Cookbooks and recipes to automate the deployment process.
- Worked in the Chef environment for configuration management of existing instances on AWS and data centers.

- Replaced the use of CFTs with Terraform to not be fully locked into a single cloud provider and managed different infrastructure resources like Physical Machines, VMs and Docker Containers using Terraform.
 - Used Cloud Front to deliver content from AWS edge locations to users, allowing for further reduction of load on front-end server.
- Used Amazon Route53 to manage DNS zones globally as well as to give public DNS names to ELB's and Cloud front for Content Delivery.
- Managed EC2 instances utilizing Launch Configuration, Auto scaling, Elastic Load balancing, automated the process of provisioning infrastructure using Cloud Formation templates, and used Cloud Watch to create alarms and monitor environments.
- 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.
- Involved in launching EC2 instances on different Linux flavors and assigned IAM roles to them.
- Provided highly durable and available data by using S3 data store, versioning, and lifecycle policies.
- Involved in Migrating servers, databases, and applications from on premise datacenters to Amazon WebServices (AWS).
- Integrated Jenkins with various DevOps tools such as Nexus, SonarQube, Chef, Git and Maven, developed Jenkins jobs to automatically manage, test, and deploy code and applications.
- Developed Python and Bash scripts for automation of the Build and Release process.
- Supported and deployed to web application servers such as WebLogic, JBOSS, Tomcat, and ApacheHTTPD servers.
- Used JIRA as a Ticketing tool and configured Elasticsearch, Logstash and Kibana (ELK) for log analytics, full text search, application monitoring in integration with AWS lambda and CloudWatch.
- Performed and deployed Builds for various Environments like QA, Integration, UAT and Production Environments.
- Wrote Maven build scripts for creating jar, war and ear artifacts, which were then deployed to Tomcat and WebLogic.
- Configured, implemented & Administered SVN for version control to include branching and merge management.
- Worked on integrating GIT into the continuous Integration environment along with Jenkins.
- Automated the process of continuous integration and deployments using Jenkins, Docker, Chef and AWS Cloud Formation Templates.
- Environment: AWS, Chef, Ansible, Terraform, Docker, GIT, Maven, Jenkins, Junit, Nexus, Zira, ELK, Python, Ruby, and Bash scripts.

