

Peetla Giridhar

DEVOPS AWS ENGINEER



+91 79939 34087



giridhargiridhar1122@gmail.com

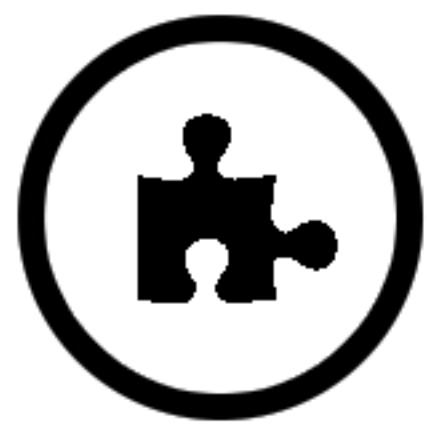


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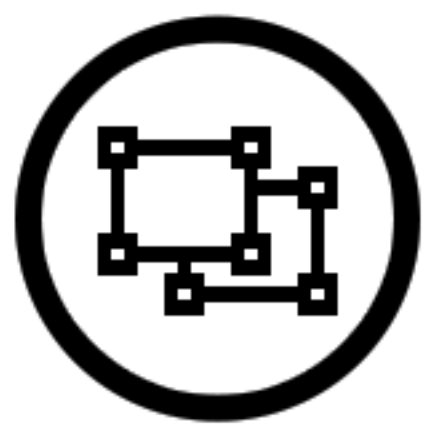
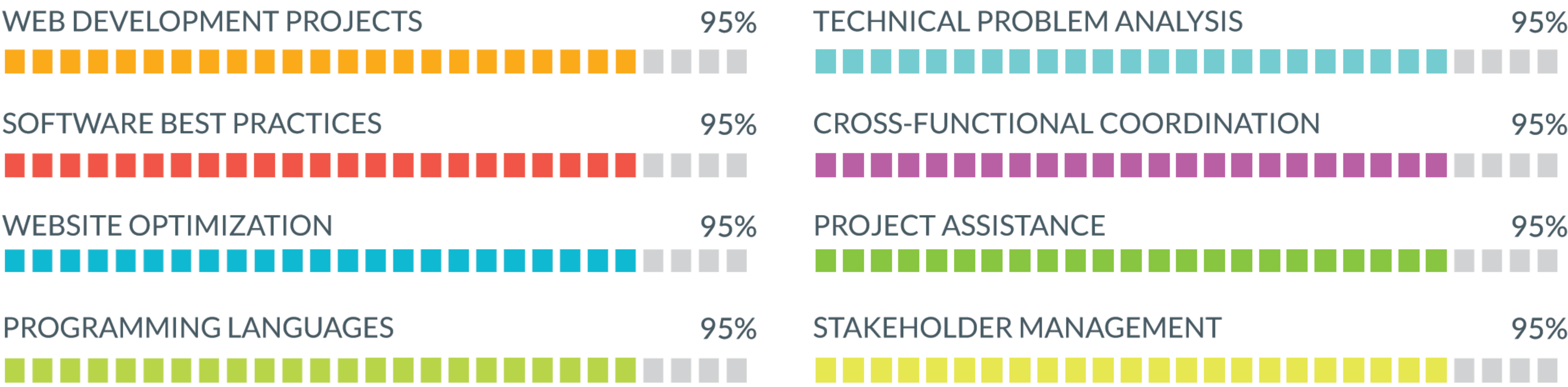


What I do

- ◆ Over 3.6 years of professional experience in full SDLC development involving requirements analysis, design, development, testing and implementation of various applications.
- ◆ Experience in server infrastructure development on AWS cloud , extensive usage of EC2, IAM, S3, EBS, Route53, ECS, VPC, Cloud Formation, Cloud watch, Lambda, SNS, SQL, Cloud Trail, AWS Config.
- ◆ Build servers using AWS, importing volumes, launching EC2, RDS, creating security groups, Auto-scaling, Elastic load balancing (ELB) in the defined virtual private connection.
- ◆ Provisioning EC2 instances and have experience on all resource areas of EC2 like instances, Dedicated hosts, volumes, key pairs, Elastic IP's, Snapshots, Load Balancers and Security Groups.
- ◆ Experience in creating JSON templates in cloud formation to manage AWS resources.
- ◆ Experience in Ansible playbooks to automate the entire deployment process as well as the infrastructure.
- ◆ Experience in Ansible to manage AWS environments and automate the build process for core AMIs used by all application deployments including Auto scaling, and Cloud formation scripts.
- ◆ Managed deployment automation using Packer-Docket and Terraform involved in automated deployment of EBS on to the AWS Cloud EC2 instance server and automated the complete deployment environment on AWS.
- ◆ Write Terraform scripts from scratch for building Dev, Staging, Prod and DR environments.
- ◆ Experience with configuration Management/Automation tool Ansible and has worked on integrating Ansible YAML scripts.
- ◆ Working expertise on all aspects of Ansible concepts like Control Node, Managed Nodes, Inventory, Modules, Tasks, Playbooks etc.
- ◆ Experience in the configuration of the AWS SDK(Boto3), AWS-CLI.
- ◆ Good Exposure on Vagrant & Docker based container deployments to create environments for dev teams and containerization of environment delivery for releases.
- ◆ Experience with containerization and clustering technologies like Docker and Kubernetes.
- ◆ Used Docker to implement a high-level API to provide lightweight containers that run processes isolation and worked on creation of customized Docker container images, tagged and pushed the images to the Docker hub.
- ◆ Hands on experience in Open Shift Containers, maintaining pods and managing Kubernetes in automating deployment, scaling and management of containerized applications.
- ◆ Extensively in using build tools like Ant, Maven and Gradle for the building deployable artifacts such as Jar, War, Ear and Zip extension files.
- ◆ Worked with Docker and Kubernetes on multiple cloud providers, from helping developers build and containerize their application (CI/CD) to deploying either on public or private cloud.
- ◆ Extensively worked on creating CI CD pipelines using Jenkins for building validating and testing the Cloud formation templates, Ansible Playbooks.



Skill Level



Expert in

CORE TECHNICAL SKILLS

DevOps Tools	PUPPET, CHEF, ANSIBLE, VAGRANT, DOCKER AND SPLUNK
Cloud Technologies	AMAZON WEB SERVICES, OPENSTACK, OPEN SHIFT
Programming Languages	JAVA, C/C++, HTML/HTML5, JAVASCRIPT, CSS/CSS3 AND STYLING
Scripting Languages	PERL, RUBY, PYTHON, SHELL PROGRAMMING
Web/App Servers	APACHE, TOMCAT, IIS, JBOSS
Operating System	UNIX, LINUX, MS DOS, WINDOWS 2012, 2008 SERVER
Database	ORACLE, SQL, ENTERPRISE, NOSQL, CASSANDRA
Version Control Tools	TFS, SVN, GIT, GITHUB, PERFORCE
Tools	CYBERARK, SPRINGBOOT, JIRA, HIBERNATE, ORACLE DB, SQL DEVELOPER, JSON, REACT
Build & Release Engineering/DevOps	MAKE, JENKINS, CRUISE CONTROL, REMEDY, PUPPET, FISH EYE, AWS, NAGIOS, NEXUS, RALLY, CHEF, ANT, MAVEN, GRADLE, HUDSON, MS BUILD, DOCKER
Monitoring ToolSpunk, Nagios	VIRTUALIZATION/CAONTINER VAGRANT, DOCKER, VMWARE



Professional Experience

MAY 2018 – PRESENT: UMD IT SOLUTIONS PRIVATE LIMITED, BANGALORE AS DEVOPS AWS ENGINEER

- Working with the development and DevOps teams to implement the strategic DevOps vision and priorities.
- Day-to-day management of a large cloud estate with complex infrastructure across the world.
- Work with the DevOps Lead, Head of DevOps to build the key infrastructure elements for the new platform transformation.
- Collaborate effectively with Dev, Operational, QA, and Support teams to improve delivery performance.
- Create the tools to empower and enable Dev teams to take on greater operational responsibilities through improving their in-team DevOps capabilities.
- Implement best practices and strive for consistency across the development
- Using a broad range of tools and On-Premises / Cloud technologies within Continuous Integration (CI), Continuous
- Reported serious unplanned operational deviations to supervisor and took corrective action as per their directions



Project 1

ROLE: DEVOPS AWS ENGINEER

- ♦ Restricting Access to Resources using Network Access Lists at Subnet level and to Servers using security groups.
- ♦ Implemented AWS Web Application Firewall for resources which are exposed over internet
- ♦ Applying Patching, installing third party packages in AWS ec2 instances using AWS Systems Manager.
- ♦ Configuring Cloud Watch Agent for collection of Systems Custom Metrics such as Memory, CPU utilization, disk utilization etc.
- ♦ Creating and managing LVM - Logical Volume management.
- ♦ Building New Servers on VM for On Premises
- ♦ Configuring Production Servers with AUTOFS/ELK for accessing logs
- ♦ Added Tags to all EC2 instances and configured AWS Config rule to notify teams with resources missing the defined tags.
- ♦ Configuring CloudWatch alerts and notifying stakeholders using AWS SNS topics
- ♦ Implemented AWS Auto Scaling Group to balance workload at any point of time based on CPU and Memory Utilization of resources
- ♦ Creating infrastructure as a code - CloudFormation.
- ♦ Building analytics and monitoring solutions with visualisation - Nagios, Icinga2, PRTG, Grafana.



Project 2

ROLE: BUILD-RELEASE ENGINEER

- ♦ Worked portal for triggering builds and releasing them to stakeholders by understanding the pain points of Developers and QA engineers.
- ♦ Maintained the FTP server in which the builds were copied.
- ♦ Worked on establishing a streamlined release process for the development team from scratch.
- ♦ Created release notes based on the contents of builds and publish build artifacts to the stakeholders.
- ♦ Continuous Integration: implemented and promoted use of Jenkins within the developer community. Validated Jenkins, Team City along with Bamboo.
- ♦ Administrated and configured Jenkins to aid in build and deployment process. Also automated jobs with Shell and Python scripts inside the Jenkins CI framework.
- ♦ Created build/deploy documentation in confluence for various applications.
- ♦ Used Maven scripts to build the source code. Supported and helped to create Dynamic Views and Snapshot views for end users.
- ♦ Deployed code to production environments using Vagrant to ensure zero down time and provided production support during live releases.
- ♦ Have done various POCs to explain and demonstrate the possibility of implementing CI/CD in various projects.
- ♦ Developed Jenkins Plugins which integrates our In-house tools with Jenkins.
- ♦ Developed UNIX and Perl Scripts for the purpose of manual deployment of the code to the different environments.
- ♦ Developed scripts for executing validation/test cases automatically after builds.
- ♦ Developed and maintained in-house Code review system before migrating to the lightweight code review system available in Stash.
- ♦ Designed and implemented the backup strategy for all the critical systems such as build machines, bug tracking tools, central repositories etc.



Education

- 2017 BACHELOR OF TECHNOLOGY (MECHANICAL ENGINEERING)
- Andhra Loyola Institute of Engineering and Technology, Vijayawada
- 2013 INTERMEDIATE EDUCATION
- Narayana Junior College, Vijayawada
- 2011 HIGH SCHOOL
- Narayana E-Techno School, Vijayawada