

SURESH GATTI

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With overall 3 years of expertise as an **AWS/DevOps Engineer**, I have excelled in **automating, building, deploying, managing**, and releasing code across diverse environments, ensuring seamless **Continuous Integration, Continuous Delivery, and Continuous Deployment**. My experience spans various environments, including **DEV, TEST, STAGE**, and **PROD**, reflecting a comprehensive skill set in orchestrating end-to-end development and deployment workflows.

PROFESSIONAL SUMMARY

➤ Experience and Tools:

Over an extensive period, proficiently utilized **Linux, AWS, Git, GitHub, Jenkins, Maven, Ansible, Apache Tomcat, Terraform, Docker, Bash Scripting** and **Kubernetes** in various DevOps capacities.

➤ CI/CD Automation:

Spearheaded the installation, configuration, and administration of **Jenkins** for streamlined automated builds, ensuring efficient continuous integration practices

➤ Ansible Role Management:

Deployed and maintained role-based application servers using **Ansible**, encompassing **Apache, Nginx, and Tomcat**, enhancing deployment efficiency.

➤ Version Control:

Demonstrated expertise in managing version control tools, particularly **Git**, for effective code versioning and collaboration.

➤ Issue Tracking:

Managed bug tracking and changes in production environments using **JIRA**, ensuring streamlined issue resolution and change management.

➤ Operating Systems Proficiency:

Configured and Possess a solid understanding of operating systems, including **Linux, Unix, Ubuntu and Windows**.

➤ AWS Configuration:

Managed **AWS services** such as **EC2** using **AMIs**, ensuring seamless **deployment and scalability**. Configured multiple servers based on application requirements through **continuous integration** tools like **Jenkins**.

➤ Server Monitoring:

Proficient in monitoring servers using tools such as, ensuring optimal performance and issue identification.

➤ Terraform Configuration:

Having good knowledge and experience in Terraform It is **Infrastructure As Code (IAC)**. Created **VPC, EC2, Load Balancer, Cloud**

➤ Infrastructure Services:

Proficient in configuring **DNS**, send mail, **FTP**, remote access, and **security management**, with hands-on experience in deploying applications from on-premises databases to **AWS cloud infrastructure**.

➤ AWS Management:

Managed **Amazon Web Services**, including **EC2, S3 buckets, RDS, EBS, ELB, Auto-Scaling, AMI, and IAM** through the **AWS Console**. Designed **VPC, Route Tables, Direct Connect, Internet Gateway, Security Groups**, and **CloudWatch Monitoring Alerts**.

➤ Migration Expertise:

Successfully migrated services from on-premise databases and **VMware VMs** to **AWS**, managing **EC2, S3 Bucket, Route53, ELB, EBS**, and **CloudWatch**.

➤ Application Server Deployment:

Demonstrated strong experience in deploying applications using application servers like **Apache Tomcat** and

WebLogic.

➤ **Collaboration and Troubleshooting:**

Collaborated closely with developers and analysts to meet project requirements, showcasing effective **time management** and **multitasking skills**. Proven ability to **troubleshoot issues** in **building, deploying**, and production support scenarios.

➤ **Self-Motivated Team Player:**

Self-motivated and quick learner with a **track record of taking independent responsibility** and **contributing effectively to teamwork**.

TECHNICAL SKILLS

Cloud Environments	AWS Cloud.
Operating Systems	Linux, Windows, Ubuntu.
Web/ Application Servers	Apache Tomcat, Apache and Nginx.
Databases	MySQL, RDS.
Version Control Tools	GIT & GIT HUB.
Configuration Management	Ansible.
CI/CD Tools	Jenkins, Argo CD.
Container Tools	Docker.
Build Tool	Maven.
Monitoring Tools	Cloud watch, Prometheus, Grafana.
Scripting Languages	Shell scripting & Bash Scripting.
Bug Tracking & Testing tools	JIRA.
Orchestration	Kubernetes, Amazon ECS.

GRADUATION

- Graduated with a **Bachelor of Technology** in 2022.

CAREER PATH

- Working as a **AWS & DevOps Engineer** in **TANAMA SOFTWARE PVT LTD** Bangalore, from Oct 2022 -**Till Date**.

PROJECT 2:

Title	Roster, Australia
Skills Used	Linux, AWS, Git, GitHub, Jenkins, Maven, Ansible, Apache Tomcat, Terraform, Docker, Kubernetes, Shell Scripting, RDS, Prometheus and Grafana.
Duration	September 2024 to Till Date .
Role	DevOps Engineer

Client:

This project is designed such a way that it is compatible for medical Billing activities. It helps hospitals in storing & tracking of patient information and generating claims for the services provided to patients. These claims are to be approved by the Medicare and invoices are generated for the raised and sanctioned amounts. If any of the claims are rejected with improper information they are resubmitted again with appropriate details.

Roles & Responsibilities:

- Designed, configured and deployed **Amazon web services (AWS)**, Defined **AWS Security services** as virtual firewalls to control the traffic on **EC2** instances for multitude of applications utilizing the **Amazon Web Services** focusing on high- availability, **Fault Tolerance** and **Auto-Scaling**.
- Configured **Aws Identity Access Management** and security groups, users in public and private subnets in **VPC** for improved log in authentication.
- Installed and configured applications on **AWS EC2** instances and stored them in **S3** buckets, configured **S3 Versioning** and life cycle policies to back up files into **Glacier**.
- Configured AWS virtual private cloud and data base subnet groups for isolation of resources within the **Amazon RDS** in Aurora DB cluster.
- Implemented **Azure IaaS** Infrastructure and **PaaS** Platform Services and Wrote **ARM templates** using JSON for Configuring Virtual Networks, Gateway Subnets, Setup DNS at the Virtual Network level, User Defined Routes (**UDRs**), altered the security groups, NIC's and Azure VM's for internal applications.
- Used **Docker** to containerized Micro services in cloud and managed clusters using **Docker Swarm** and **Kubernetes**. Developed Private cloud system solution on **Core OS** using **Kubernetes**.
- Integrated AWS Code commit with **Jenkins**, for continuous integration and deployment, this automates the deployment of new revisions of applications i.e., whenever there is a code change, **Jenkins** used to build the **WAR** file and deploy to the Application Server (AWS EC2 instance).
- Tested, evaluated and involved in troubleshooting of different **NoSQL** database systems such as **MongoDB**, and their cluster configurations to ensure high availability in various crash scenarios.
- Used Ansible and Ansible Tower as configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and pro-actively manages change.
- Wrote **Ansible** Playbooks for SSH as the wrapper to manage the configuration of AWS nodes and test playbooks on AWS instance using **Ansible** scripts to provision Dev Servers.
- Worked with best practices and processes **Agile scrum** methodology, **JIRA** program Management [JIRA scrum],

JIRA dashboard customization, JIRA release management, JIRA test management, **JIRA training**.

- Developed build and deployment scripts using **Maven** as build tool and automated the build and deploy processes using Jenkins to move from one environment to other environments and used GIT as Source Code Repository.
- Responsible for supporting 24*7 for both Production and Non-Production Environment.

PROJECT 1:

Title	Wayfair, U. S
Skills Used	AWS, Git, GitHub, Jenkins, Maven, Ansible, Apache Tomcat, Terraform, Docker, and Kubernetes
Duration	October 2022 – September 2024
Role	DevOps Engineer

Client:

Wayfair Inc. is an American e-commerce company based in Boston, Massachusetts that sells furniture and home goods online. Formerly known as CSN Stores. Wayfair acts as a marketplace, connecting customers with a vast network of independent sellers. This cuts out the middleman, allowing for lower prices. Bulk buying power: Wayfair negotiates massive discounts with manufacturers by purchasing furniture in bulk.

Roles & Responsibilities:

- Developed Cloud Infrastructure management and Implementation Working experience on **AWS**.
- Building and installing servers through **Terraform templates** and console. Utilized Terraform to define Infrastructure as Code (IaC) templates in HashiCorp Configuration Language (HCL) for AWS resources. For instance, to create an EC2 instance, VPC, security groups, etc., within a Terraform template
- Setup and provisioned AWS **Auto-Scaling** in launching **EC2** instances, **IAM**, **Elastic-Load-Balancer**, **S3**, **Glacier**, **CloudFront**, **RDS**, **VPC**, **Route53**, **CloudWatch**, **SNS**, **EBS** infrastructure as code using **Terraform**
- Defining and configuring **CloudWatch alarms** and triggers to implement auto- scaling policies. Used **AWS CLI** for **EC2** creations and **S3** uploads and authenticated downloads
- Experienced in Provisioning of **IAAS & PAAS** Virtual Machines and Web\Worker roles on Microsoft **AZURE** ResourceManager. Manage the Windows Azure infrastructure for our customers depends on their requirement.
- Written Terraform code in order to attach the web servers and media servers to the target group of Application Loadbalancer and configured the **DNS** record for the load balancer.
- Integrated the **Git** and **Terraform** in order to deploy the infrastructure in the Cloud environment written as terraformtemplates.
- Experienced in **Continuous Integration/Deployment** with Jenkins pipeline. Deployed the application in various environments like **DEV**, **STAG**, **QA**, **PROD** using various release versions.
- Responsible for Continuous Integration (CI) and Continuous Delivery (CD) process implementation using **Jenkins** along with **Bash Scripting** and **Shell scripts** to automate routine jobs.
- Designing, building, and supporting advanced cloud automation workflows and tools used to support automated

CI/CD pipeline application deployments into AWS using **Jenkins**, **Artifactory**, and **Terraform**.

- Deployed microservices based application using **Kubernetes**.
- Created a dynamic horizontal scaling cluster management platform using **Kubernetes** to deploy **Dockerised** micro service containers. Worked on Deployment Automation of all micro services to pull image from Private **ECR** registry and deploy to **Kubernetes** Cluster.
- Assist in **DB** migration and upgrade. Using **Ansible**, and Octopus to create automatic scripts to deploy various repositories, also using manual methods like command line interfaces such as Git Bash to manually deploy code as well.
- Automated few processes using **Bash and shell scripting**.
- Expertise on Creating Multiple **Ansible** playbooks for auto-provisioning of test environments using **Docker** and autodeployment of artifacts.
- Working for **DevOps** Platform team responsible for specialization areas related to **Ansible** for Cloud Automation.
- Worked closely with security team on **Alert Logic** Threat manager, a SaaS solution that collects, process and analyses client's data and maintained monitoring the security on **EC2** deployments.
- Involved in scrum meetings, product backlog and other scrum activities and artifacts in collaboration with the team.
- Proficient in documentation works, Requirement Specification (RS) and Test Case Preparation.

DECLARATION:

I hereby confirm that the details furnished above are true to the best of my knowledge.

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