

# JINNA BALU



DevSecOps Architect | SRE Lead

## PERSONAL PROFILE

Experienced with a demonstrated history of working on different infrastructure and change management-related problem statements. Working in Startup has helped me to learn cutting-edge technologies. Fortunate to get opportunities to work on a wide variety of technologies and roles.

## SKILLS

Cloud Services:

AWS, Digital Ocean, IAM, S3, EKS, ECS, EC2, SES, Audit Manager, Security Hub, Config, Guard Duty, Security Compliance, Capacity Planning

Containerisation: Docker, Docker Swarm, Kubernetes

IaC: Ansible

Distributed Cassandra, Elasticsearch, Kafka, MongoDB, Redis

CICD Pipeline Jenkins, Bitbucket, Gitlabs

Compliances Compliances SOC2, GDPR, PCI DSS

SecOps Code Quality Gate Sonarqube, SAST, DAST Security Snyc, VAPT, Arachni, Trivy, Gitleaks

DNS | LB Caddy, Nginx, ALB, ELB, Cloudflare

Version Control Git, Monorepo, Polyrepo, Github, gitlabs, bitbucket

Monitoring ELK, Prometheus, Grafana, Observability

ETL Tools. Kafka Connect, Elastic Stack Beats, Apache Nifi, Airflow

Languages Java, C#, Python

Databases PostgreSQL, Cassandra, Elasticsearch, MondoDB

Scaffolding Tools Yeoman, Jhipster, FastAPI, Jekyll, Hugo

Project Management Kanban(Trello), , Jira, Agile(Pivotal Tracker)

Operating System Operating System Ubuntu, Mac, Windows

Operating System RabbitMQ, Selenium, Jupyter Notebooks Private docker registry

## CONTACT ME AT

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## RESPONSIBILITIES

Developer	● ● ● ○ ○
Platform Engg	● ● ● ● ○
DevOps	● ● ● ● ○
DevSecOps	● ● ● ● ○
Cloud	● ● ● ● ○
Team Management	● ● ● ○ ○
System Design	● ● ○ ○ ○
SRE Practices	● ● ● ● ○

## AWARDS RECEIVED

Value Ambassador - 2020  
Wisestep  
Role: Platform Engineer

## WORK EXPERIENCE

### SRE LEAD | DevSecOps Architect

**Aug 2022 - Present**

- Working with 13 Data Centres
- Each Data Centre have multiple distributed cluster of Kafka, Cassandra, Mongo, Solr, Redis
- Local DNS management with named service.
- Handling the multiple DC level load balancers with nginx, haproxy, cloudflare
- Traffic Routing with Geo Steering between. DCs
- Working with Mesos Clusters in each DC deploying the application as containers.
- Upgrading the different tools and technologies to the latest versions.
- Automating many areas of the Datacenters to reduce the toil.
- Worked on migrating the Oracle DYN Traffic management tool to Cloudflare.
- Monitoring the Services using Prometheus Stack, deployed with Helm in Kubernetes Cluster.
- Troubleshooting the issues in the multiple nodes.

### DevOps Manager

**April 2021 - July 2022**

Managing infrastructure automation, reliability, security, change management, and capacity planning with a team of 2members. Building best practices in DevOps and Site Reliability

- Application Orchestration with Docker Swarm, ECS, K8s,
- The distributed cluster of Cassandra, Elasticsearch, Kafka, and Redis as containers.
- DevSecOps, AWS Audit Manager, AWS Security Hub, AWS Config Maintaining the SOC2 Compliance.
- Observability Driven Development with Elasticsearch, metrics, and logging with Beats and Logstash, and Prometheus Stack.
- Managing team with Kanban and Scrum, having error budgets, toil budgets, and overhead in control.
- Created and maintained the dev center for internal domain access for all the internal services securely.
- Infrastructure management with AWS, Application Orchestration with Docker, Docker Swarm, and K8s.
- NGINX/Caddy for Load balancing, and Reverse Proxy.
- Continuous Integration Continous Delivery with Git and Jenkins. Deployment and Infra Automation with Ansible.
- Creating and managing the distributed cluster of Cassandra, Elasticsearch, Kafka, and Redis as containers.
- Scaling up and down the Elasticsearch without downtime and data loss. Create the optional disaster recovery with minimal RTO and RTO.

## H O B B I E S

Playing with Kids.  
Conserving the Heirloom Seeds.

## EDUCATION

MCA JNTU Hyd | 2010-2013  
Master of Computer Applications  
CGPA: 7.5/10

BSc, Computer Science  
Osmania University 2007 - 2010  
CGPA 6.5/10

## V O L U N T E E R

Gramabharati, Gramavikas,  
Ekalavya Foundation

## Platform Engineer

**April 2019 - Mar 2021**

DevOps for release management and Building features, handling feature lifecycles for the product- Wisestep, a recruitment platform to solve a few of the most interesting problems of the recruitment industry - details link

- Building microservices using spring boot, containerizing with Docker, and deploying to AWS Cloud.
- Application deployment automation with CICD, smooth change management.
- Application and Infrastructure monitoring.
- Distributed cluster management for NoSQL databases, with consistency
- High availability, consistency, security, and reliability
- Application performance monitoring and real-time user monitoring
- AWS Solutions for security practices and cost optimizations.
- Vulnerability assessment with open source tools.

## Product Development Engineer

**Sep 2014 - Mar 2019**

Deployed data science for real-time detection of anomalies and diagnosis of high-impact problems using ML

- Develop and Support custom-built applications and participate in product development. Participate in the analysis of requirements to understand the business and system needs regarding user interface, application enhancements, new functionality, and backend processes.
- Code and modify simple applications using programming tools. Document all the code using standard forms and procedures, adhering to all naming conventions.
- Create reports and work with others in the technical and analytical aspects of report creation.
- Participate in the unit, system, and user acceptance testing.

### **Project #1 : MIS - Jr. Net Developer**

Application used for managing the Recruiters, Jobs, and Candidates Processing for closing the positions given by the clients

Role : .Net Developer activity, One-man army for Building features from coding, designing, and release management. Monitor and troubleshoot the application. Deployed app in IIS.

Tech Stack ASP.NET Web application, ASP.NET MVC, Entity Framework, C#, AngularJS, HTML, CSS, Bootstrap, Gulp, Code First Approach, Solr, SQL Server 2008, DAL with Database First Approach

### **Project #2 : Wisestep Pulse - Jr. Fullstack Developer**

In Recruitment Process Management, Timesheet, Contract, Payments Management application

Role : Worked with a team having individual responsibility of building the feature from frontend till DB. Worked on HTML, CSS, Bootstrap, AngularJS, Building Entities, REST API with Code First Approach, Indexing the column in MSSQL for increasing the performance.

Tech Stack ASP.NET MVC, Entity Framework, C#, SQL Server 2008, AngularJS, HTML, CSS, Bootstrap, Gulp, Code First Approach, Solr

### **Project #3 : Wisestep ATS - Fullstack Engineer**

Crowdsourcing Application, Sourcing Talent from Expert Global Recruitment Partners, and Managing with Split Fee

Role : Worked on orchestrating the dev and prod environment for microservice applications using the Jhipster scaffolding tool. Worked with the team, responsible for building the feature, entities, and RESTful API with Code First Approach. Application security OWASP using VAPT tool arachni. Application development and deployment 50%-50%. Application orchestration with docker swarm, containerization, and deployment with scale. Handling automation deployment with CICD Jenkins pipeline and ansible. Application secret management with AWS parameter store, and AWS IAM Security. Infrastructure operations maintaining the Elasticsearch, Cassandra, and Kafka cluster management.

Tech Stack HTML, CSS, AngularJS, Bootstrap, Thymeleaf, Gulp, Java, Spring MVC, Elasticsearch, Cassandra, Microservices, Jhipster Scaffolding Tool, AWS, AWS VPC, S3, AWS EC2, Docker, Docker Swarm, NGINX, VAPT Report with Arachni