

# Jinna Balu

| DevOps | SRE | [jinnabalu.com](http://jinnabalu.com) |



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## ABOUT

I am a DevOps Manager at Wisstep Inc, implementing Site Reliability Practices.

## EDUCATION

MCA, MREC - JNTU, Hyderabad	Aug 2010 - May 2013
BSc. CS, GDCM - OU, Medak	June 2007 - April 2010
MPC, GEETHA Jr. College, Medak	Aug 2005 - May 2007
GEETHA HIGH SCHOOL, Medak	June 2004 - April 2005

## EXPERIENCE

### Wisestep Inc, Hyderabad — *DevOps Manager*

April 2021 - PRESENT

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.

Manging team with Kanban and Scrum. 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 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.

## AWARDS

Value Ambassador 2020

Role: Platform Engineer

## LANGUAGES

English, Telugu, Hindi

## SKILLS

### DevOps

Git, Monorepo, Polyrepo, Github, Bitbucket, Gitlabs, Docker, Docker Swarm, Kubernetes, Jenkins, Nginx, Caddy, Prometheus, Grafana, AWS, Ansible, NodeJs, Microservices.

### DevSecOps

VAPT Recommendations OWASP, AWS Security, AWS Config, AWS Audit Management for PCI, SOC2, GDPR, Elasticsearch SIEM, Gitlab SAST DAST, Snyk.

### Process

Kanban - Trello, Agile - Pivotal tracker, Scrum, scaffolding tools.

### Distributed Cluster

Cassandra, Elasticsearch, Redis, Kafka.

## **Wisestep Inc, Hyderabad — *Platform Engineer***

April 2019 - Mar 2021

### **Responsibilities:**

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

**Tech stack:** Java8, Microservices, RESTful API, AngularJS, Bootstrap, Jekyll, Springboot, git, bitbucket, monorepo, Jenkins, Bitbucket Pipeline, Ansible, Docker, docker swarm, Nginx, Cassandra, elastic search, Kafka, AWS, VPC, EC2, ECS, Cloudwatch, Prometheus, Grafana, yeoman, jhipster, and distributed cluster management.

**Roles:** Application Orchestration with Docker, Docker Swarm. Working with Infrastructure to set up the automation for deployment. Continuous Integration with Git, Continuous Delivery, and Deployment with Jenkins. Cassandra and Elasticsearch Multinode Cluster Management with docker and docker swarm. Change management with zero downtime. NGINX for Load balancing, and Reverse Proxy. Monitoring the applications with Prometheus, exporters, and grafana. Redis, Elasticsearch, and Cassandra distributed cluster management. AWS Solutions for security practices and cost optimizations. Vulnerability assessment with open source tools.

## **Wisestep Inc, Hyderabad — *Junior Product Development Engineer***

Sep 2014 - Mar 2019

### **Responsibilities:**

Develop and Support custom-built applications and participate in the 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**

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**

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

**Project Description:** 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.

## **Project #3: Wisestep ATS**

**Project 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

**Project Description:** 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 application 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.

## **Volunteer**

Active participant in Gramabharathi NGO for village development. Build and deployed a static website on GitHub pages for Gramabharathi. Recently Started Working for Gramavikas Ekalavya Foundation.

## **Declaration**

I hereby confirm and verify all the information mentioned here, and I take full responsibility for its accuracy and authenticity.

Place: Hyderabad

(Jinna Balu(Balaiah))