

# RAMA RAJU V J

Boston, MA • (857)5761284 • vadapalli.j@northeastern.edu • [LinkedIn](#)

## Education

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### Master of Science, Software Engineering Systems

Northeastern University, Boston, MA

Expected May 2025

Current Enrolled Courses: Concepts of Object-Oriented Design, Web Design and User Experience Engineering

### Bachelor of Technology, Computer Science

Gandhi institute of technology and management, Visakhapatnam, AP

June 2022

Key courses: Data Structures, Databases, Cloud Computing, Operating Systems, Computer Networks, Linux

## Related Experience

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### Phoenix Global Pvt Ltd, Hyderabad, India

June 2021 - July 2021

Devops Engineer Intern, (Skills: Git, Jenkins, Maven, Tomcat, Docker, Apache)

- Processed the tasks in the Cloud Operations team to deploy a set of **Micro-Service based applications can serve 1 million users** visiting phoenixglobal.org.in homepage monthly, across desktop and mobile browsers
- Achieved **site engagement up to 37%** with an estimated Revenue potential of 4 million USD
- Designed the micro-service architecture in a DevOps methodology and primarily worked on the reliability of applications
- Load-balancing the user requests, and maintaining the desired count of application replicas 99.9% of the time by leveraging the docker swarm service
- Build tool Maven is leveraged for compiling, unit-testing, and packaging the application's source code
- Configured and integrated Jenkins (CI/CD) with git and docker
- Packaged applications into docker images using custom docker files
- Pushed the docker files to **docker hub private repository for quick Disaster recovery**.
- Benchmarked the performance of applications using the Apache testing tool

## Projects

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### Shopping Website Deployment (Skills: Terraform, Kubernetes, AWS, Helm, Docker) - [GitHub](#) Jan - Apr 2022

- Lead a team of 6 members as a project lead, and the application is a user-interactive shopping website built using HTML and CSS
- Provisioned the project infrastructure with Terraform (IAC) and AWS as the cloud provider, accomplished the flexibility to launch infrastructure when needed, and automated backup using terraform state file
- Proposed the team to deploy the shopping application in a Kubernetes cluster, in the form of Kubernetes pods
- Dynamic auto-scaling and load balancing of pods are achieved using Horizontal-pod auto-scaler (HPA), Load-balancer service type objects and can handle 500+ requests/pod
- Pods data is secured using persistent volumes and helm charts are used to install Prometheus and Grafana for monitoring purposes. AWS instances are associated with Elastic IP for 24/7 availability

## Technical Skills

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**Languages:** Java, Python, Linux, Shell Scripting

**Web Technologies:** HTML5, CSS, JavaScript

**Cloud and DevOps:** Git, Jenkins, Docker, Kubernetes, Ansible, AWS, Terraform

**Certifications:** [RedHat Certified Administrator \(RHCE\)](#) , [AWS Certified Solutions Architect \(AWS-SSA C03\)](#)