

Naga Priya Kumbham

✉ kumbham.n@northeastern.edu 📍 Boston, MA in PriyaKumbham 🌐 NPriyaK

Professional Experience

Site Reliability Engineer Co-op

Philips North America

May 2023 – Dec 2023
Boston, USA

- Developed a high-performance Artifact BOM Reports API, reducing processing time by 40% and efficiently managing 1.5 million records
- Built an internal tool with Python Flask and Angular, boosting user engagement by 20% and data processing efficiency
- Enhanced data retrieval and management in an internal tool, significantly improving data visualization
- Integrated New Relic with AWS, enhancing performance and scalability by 20%, and improving operational efficiency

Cloud Engineer

MBR Informatics

May 2020 – Dec 2021
Hyderabad, India

- Designed and implemented scalable cloud infrastructure for small businesses, improving system scalability and performance by 30% with AWS/Azure/GCP
- Automated backups for 15 small business websites, cutting data loss by 80% and enhancing client uptime
- Managed cloud migrations for multiple clients, reducing downtime to under 2 hours and maintaining data integrity
- Facilitated cloud migrations enhancing operational efficiency by 25% post-migration, improving client satisfaction

Software Development Engineer

Optum

Jun 2019 – May 2020
Hyderabad, India

- Implemented Selenium and Cucumber for automating web app testing within a DevOps framework, leading to an 85% reduction in manual testing efforts
- Facilitated a smooth transition to weekly testing cycles, reducing manual testing time by 85% through effective automation strategies
- Cut deployment times by 50% via optimized integration of automated tests into Jenkins CI/CD pipelines, significantly improving DevOps workflow efficiency

Education

Master of Science in Software Engineering Systems

Northeastern University

Jan 2022 – Apr 2024
Boston, USA

Bachelors in Electrical and Electronics Engineering

Vasavi College of Engineering

May 2015 – May 2019
Hyderabad, India

Skills

Programming (Java (Spring Boot), Python (Flask), C#, Shell scripting)

Cloud Technologies (AWS CloudWatch, Kubernetes, Cloud Foundry, Docker, Terraform) | **Database** (SQL, PostgreSQL, MongoDB)

DevOps (Jenkins, CI/CD pipelines) | **Monitoring** (New Relic) | **Automation tools** (Ansible, Selenium WebDriver, JUnit)

Projects

End-to-End Cloud-Native Monitoring App

Flask App, Docker Containers, EKS Orchestration, and ECR Integration

Nov 2023

- Developed a Python-based monitoring application using Flask, optimized for efficiency with a 30% improvement in resource management
- Containerized the application with Docker and orchestrated deployment on Amazon EKS, resulting in a 40% faster deployment speed

Streaming Dome 📄

MERN Stack application

Aug 2022

- Developed a MERN stack-based Movie Streaming App, enhancing user transactions by 50% through effective RBAC and CRUD implementation.
- Integrated MongoDB and PayPal API, boosting data processing efficiency by 30% and streamlining payment processing.

Grocery Application 📄

Spring Boot, Hibernate, JPA, Bootstrap

Nov 2022

- Created a Grocery app with Spring Boot and Hibernate, achieving a 30% reduction in transaction processing time.
- Enhanced backend operations of the app, resulting in a 20% increase in efficiency.

Awards

Best Competitor Award 📄

Engineering Equity Hackathon by Virtusa

Apr 2023