Priya Kumbham

✉ kumbham.n@northeastern.edu 📞 660-424-1147 📍 Boston, MA in LinkedIn ⚓ Portfolio

EDUCATION

Northeastern University, Boston [GPA: 3.7],   Jan 2022 – May 2024
Master of Science in Software Engineering Systems

Vasavi College of Engineering [GPA: 3.5],   May 2015 – May 2019
Bachelors in Electrical and Electronics Engineering

PROFESSIONAL EXPERIENCE

Site Reliability Engineer Co-op, *Philips North America*   May 2023 – Dec 2023
- 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
- Integrated New Relic with AWS, enhancing performance and scalability by 20%, and improving operational efficiency
- Reduced lead time for changes by 42% with custom Python and Bash scripts, streamlining testing and deployment processes

DevOps Engineer, *MBR Informatics*   May 2020 – Dec 2021
- Achieved a 50% reduction in deployment time by integrating Jenkins, Git, AWS ECR, AWS ECS, and Docker, speeding up release cycles
- Improved collaboration with IT, Customer Care, and Marketing to precisely define AWS infrastructure needs, enhancing the provisioning process
- Utilized Terraform for infrastructure-as-code to provision AWS components in under 10 minutes, increasing deployment frequency by 27%

Software Development Engineer in Test, *Optum*   Jun 2019 – May 2020
- Developed and executed comprehensive test plans for web applications using Selenium and Cucumber, resulting in a 20% reduction in bugs identified during testing.
- Collaborated with a cross-functional team of 10+ developers and business analysts to ensure seamless integration of automated test scripts, improving overall testing efficiency by 30%.
- Implemented automation frameworks from scratch, reducing manual testing efforts by 40% and increasing test coverage by 15%.

SKILLS

Programming *(Java Spring Boot, Python Flask, C#, C++, Shell scripting, HTML,CSS, JavaScript, Linux),*
Cloud Technologies *(AWS, Kubernetes, Cloud Foundry, Docker, Terraform),* **Database** *(SQL, PostgreSQL, MongoDB),*
DevOps *(Jenkins, CI/CD pipelines, Git, GitLab),* **Monitoring** *(New Relic),*
Frameworks and tools *(Ansible, Angular, Node, Jenkins, Selenium, Hadoop, Spark, HBase)*

PROJECTS

End-to-End Cloud-Native Monitoring App,   Nov 2023
Flask App, Docker Containers, EKS Orchestration, and ECR Integration
- 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.

Cricket Score Management System, *MongoDB, SQL server* 🔗   Dec 2022
- Constructed a database management system using SQL, MongoDB, and NoSQL, achieving a 25% improvement in performance and scalability.
- Enhanced security with injection protection and optimized ERD models, leading to a 30% increase in data analysis efficiency and system robustness.

AWARDS AND CERTIFICATES

Certified Cloud Practitioner, *AWS* 🔗   Feb 2024

Best Competitor Award, *Engineering Equity Hackathon by Virtusa* 🔗   Apr 2023

Member of Rewriting the Code