YELCHURI DINESH

Boston, MA | 8573028347 | yelchuri.d@northeastern.edu | [LinkedIn](#)

EDUCATION

Northeastern University, GPA 3.85/4.00   Boston, MA
Master of Science   May 2024
Related courses: Application Engineering and Development, Database Management and Database Design
Network Structures and Cloud computing, Web Design and User Experience

Vellore Institute of Technology   Vellore, India
Bachelor of Technology, Electronics and Communication   April 2019
Related courses: Programming languages (C, C++, Python), Object Oriented design and Programming (OOP), Computer Architecture and Organization

TECHNICAL SKILLS

Programming Languages and Databases: Core Java, Python, C++, C, SQL, MongoDB, HTML, CSS, Javascript
Libraries & Frameworks: Express.js, Node JS, React JS, Terraform, Data Structures and Algorithms, Spring, Hibernate
Operating Systems and Developer Tools: Linux, GIT, Docker, Jenkins, Unix, Kubernetes, Vscode, AWS, GCP

PROFESSIONAL WORK EXPERIENCE

AMDOCS   Pune, India
Software Developer   Jan 2021 - July 2022
- Enhanced system efficiency by 50% by proactively identifying and addressing inefficiencies, and implementing automation solutions to streamline workflows
- Collaborated with the SRE team to implement Site Reliability Engineering practices, and leveraged expertise in designing health check reports, REST APIs, networking protocols and AWS IAM authentication protocols for optimal system functionality and it reduced the teams workload by 40%
- Developed Amazon machine images for streamlined cloud deployment of automation on EC2, which included configuring the images with necessary software and dependencies to ensure smooth automated deployment in the cloud.
- Deployed new versions of software as part of release to the cloud by following CI/CD pipeline methods using github actions and Jenkin pipelines and used AWS cloudwatch for Application performance monitoring and logging metrics.
- Applied the Cloud Application Automation workflow management and concepts about Containerization and virtualization along with Docker and Kubernetes Architecture and had a good understanding of microservices
- Managed SLA/KPI compliances and upheld all client level agreements without breach, resulting in a 98% accuracy rate for SLA compliances during my tenure and had a good understanding on SDLC methodologies
- Designed a secure reporting solution in Python that efficiently stored confidential data in a database, generated timely reports, and significantly reduced team workload by 60% through automation

AMDOCS   Pune, India
Software Engineering Associate   Jul 2019 - Jan 2021
- Employed system design principles to overhaul the existing system, addressing multiple issues and job failures, resulting in a significant improvement in system efficiency by 70%
- To enhance system performance across multiple distributed systems, developed shell scripts and SQL scripts
- Provided Automation to the Service now Incident portal that reduced team's manual work by 40%
- Managed source code and tracked changes using Git, while also utilizing Jira to manage project tasks and workflows

ACADEMIC PROJECTS

BUILDING AND SCALING AN E-COMMERCE PLATFORM WITH AWS INFRASTRUCTURE AND SERVICES
Northeastern University   January 2023
- Developed a backend web application using **Node.js** which included the implementation of 10 REST API endpoints.
- Upgraded the application to support image storage through AWS S3 bucket and data storage using RDS instances.
- Carried out phased deployment of the web application on AWS using infrastructure as a code (Terraform), which involved creating a VPC, subnets, routes, and other network protocols like (TCP/IP) etc.
- Developed a Custom AMI using Packer, which facilitated deployment and scaling of the web application on Elastic Compute Cloud (EC2), and leveraged **systemd** and GitHub actions resulting in a 50% decrease in deployment time.