

Manoj Reddy Amireddy

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EDUCATION

NORTHEASTERN UNIVERSITY

Master of Science in Information Systems

Boston, MA

Expected Aug 2023

Relevant Coursework: Object Oriented Design, Network and Cloud Computing, Databases, Algorithms

INDIAN INSTITUTE OF TECHNOLOGY (IIT) GUWAHATI

Bachelor of Technology in Electronics and Electrical Engineering

Guwahati, India

Aug 2013 - May 2017

WORK EXPERIENCE

NOKIA

Security Software Developer Co-Op

Boston, MA

May 2022 – Dec 2022

- Developed extensions for the Customized IAM solution based on the Open Source Keycloak project.
- Updated Helm charts for the IAM project for new releases.
- Built the flow and created an application for the logging functionality in the latest release.

KALEIDOFIN INDIA PVT LTD (FinTech)

Software Development Engineer II

Chennai, India

Sep 2019 – Aug 2021

- Migrated all monolithic applications into microservices leveraging the best application design patterns from Spring Boot Framework ecosystem.
- Took ownership for Document Scanning and Image Processing microservice and worked on its end to end lifecycle from Development to Production.
- Played a pivotal role in migrating the whole microservices to a highly scalable and availability platform with Kubernetes and Docker containers.

NEXT EDUCATION INDIA PVT LTD (EduTech)

Research and Development Engineer

Hyderabad, India

Jun 2017 – Jul 2019

- Designed a mechanism to scale the applications smoothly and cost effectively (35%) and also to meet the growing requests per minute by 12M customers.
- Designed and Developed the Architecture, microservices for sending bulk mobile messages and Emails to the teachers, students and parents by using the asynchronous message queues of kafka.
- Developed a Spring Boot State machine for Nightly Shutdown of the Dev, QA, Pre-Prod Environments for Cost Optimizations.
- Implemented the rate limiting setup for applications in the Infrastructure by using Redis to prevent DOS attacks.

UNIVERSITY PROJECTS

CLOUD MIGRATION

Feb 2022

- Developed backend apis using spring boot and deployed it with autoscaling on aws in a vpc by github actions ci-cd on every code merge. Used packer templates to build custom ami with all source code for deployments.

RESTAURANT MANAGEMENT SYSTEM

Oct 2021

- Designed and Developed a restaurant management application with gui using Java Swing which has the capabilities to accept, process and deliver the orders to customers with email alerts. It also tracks the ratings/feedback given by the customer.

SKILLS

Technical Skills: Java, Python, C, C++, Sql, Bash, JavaScript, Html, R, Matlab, Ajax

Tools: Spring Boot, Spring, Django, Flask, Apache Kafka, Maxwell, Apache Storm, Git, Svn, Ansible, Kubernetes, Terraform, Nginx, Quartz, Maven, Gradle, Logback, Log4J, Swagger, GraphQL, JFrog, Github Actions, Packer, Helm

Technologies: AWS, Google BigQuery, Mysql, MongoDB, CouchDb, Redis, Jenkins, Docker, Zookeeper, Prometheus, Grafana

Operating Systems: Linux, Mac Os, Windows

Languages: Fluent in English, Hindi, Telugu

ACCOMPLISHMENTS

- Mentored as a Teaching, Instructional Assistant for the course Object Oriented Prog and Design in Spring 2023.
- Received Merit-cum-Means(MCM) Scholarship for the 4 years at IIT Guwahati.
- Collaborated with a team of volunteers NSS to implement community service projects in college for 4 years.