

Venkat Pavan Munaganti

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A polyglot with 1.5 years of experience as a Software Engineer, primarily using Java Spring, and React. Specialized in crafting Rest APIs, Microservices, Fullstack web apps & optimizing web/standalone applications/build pipelines

EDUCATION

Northeastern University

Master of Science, Software Engineering Systems (3.78/4.0 GPA)

Boston, MA

Sep 2022 – May 2024

Jawaharlal Nehru Technological University

Bachelors of Technology, Computer Science & Engineering

Hyderabad, India

Aug 2016 – Sep 2020

SKILLS

Java, JavaScript, Go, React, J2EE, Java Spring & Spring Boot, Hibernate, Node.js, Express.js, Postgres, SQL, MongoDB, Git, AWS, GitHub Actions, Packer, Pulumi, Terraform, Elasticsearch, RabbitMQ

WORK EXPERIENCE

Wipro Technologies

Software Engineer

Hyderabad, India

Dec 2020 – Jun 2022

- Upgraded **5+** legacy Java MVC applications to Spring REST APIs & React SPAs, offloading the rendering tasks to client's browser and accommodating an **additional 1000+ requests per hour** post-transition
- Developed a Spring Boot application to **automate retrieval and storage** of safety incident data from an external RESTful API in Teradata, **slashing over 5 hours of manual work** in dashboard creation time for analysis
- Achieved a significant **20-minute reduction in build time** per Pull Request (PR) across **10+ Java applications** by optimizing Jenkins build pipelines through Maven **build parallelization** and strategic **dependency purging**
- Revamped **3+** mainframe batch applications with Spring & Spring Batch, improving the **system reliability by 10%**
- Collaborated with cross-functional team to analyze code coverage reports, eliminating dead code, and developing comprehensive Junit5 test suites resulting in a **30% reduction in production issues**
- Increased the **operational efficiency by 10%** in business sensitive batch applications by automating the downstream file transfers with **SFTP Microservices** developed in Java Spring Boot

PROJECTS

Northeastern University

Academify API

Boston, MA

Sep 2023 – Dec 2023

- Developed RESTful APIs in Go lang & Java Spring Boot, following **Test Driven Development (TDD)** principles, to handle the publication, submission, and modification of assignments across diverse courses
- Orchestrated **CI/CD** pipelines for AWS using **DevOps & IaC** tools like GitHub Actions, Pulumi, and Terraform
- Built **robust and scalable infrastructure** utilizing key AWS services like EC2, Lambda functions, RDS, S3, Autoscalers & Load balancers, KMS, Route53, and CloudWatch

Medical Insurance System

Sep 2023 – Dec 2023

- Deployed a **Docker containerized RESTful API**, developed with Java Spring Boot to manage employee medical coverage plan data, on Kubernetes clusters to emulate a scalable and efficient infrastructure
- Augmented analytical capabilities through the seamless **integration of Elasticsearch**, enabling swift & efficient searches across a diverse range of medical plan attributes using Elastic Queries
- Facilitated real-time Elasticsearch index updates via **Publisher/Subscriber pattern** with **RabbitMQ & Node.js**

ACHIEVEMENTS

- Led the winning team among **67+ teams** using the Christofides Algorithm to **solve the TSP problem optimally**
- Excelled as a **Customer Experience Technician** at ITS, Northeastern University, securing **300+ five-star ratings** for over 500 interactions via call, chat & emails with NEU community for assisting them technical issues