Thompson Naidu

thompson.naidu@gmail.com | +1857-313-5749 | linkedin.com/in/thompsonnaidu | github.com/thompsonnaidu

SUMMARY

Software Engineer with 4+ years of experience solving complex technical challenges and delivering efficient solutions. Skilled in designing microservices using Java, Spring Boot, and React to enhance system performance and business processes. Proficient in cloud technologies, distributed systems, and full-stack development, with a focus on fintech software and enterprise solution

EXPERIENCE

Software Engineer CO-OP – State Street   **January 2024 – June 2024**

- Built **gRPC services** in an investment management system using **Java** and **Spring Boot**, enhancing service communication speed by 40% and improving performance reliability
- Elevated code reliability by increasing **unit test coverage** by 10% using **JUnit and Mockito**, collaborating closely with the team to enhance maintainability through rigorous testing practices and effective mocking strategies
- Managed on back-patching of the application with the latest code using **Perforce**, coordinating with teams to ensure smooth integration of updates while maintaining clear **communication** to address challenges and ensure timely deployment

Senior Software Engineer - Quantiphi Inc   **October 2020 - September 2022**

- **Architected cloud-native web app** using **Spring Boot, React, Redis Cache, and AWS services**, transforming vendor management processes and reducing task completion time by 30% through strategic automation
- Engineered a seamless **CI/CD pipeline** using **Elastic Beanstalk, CloudFormation, and GitLab**, which resulted in flawless application deployment on **AWS** and achieved an 80% reduction in deployment time
- Streamlined ADFS (Active Directory Federation Services) login integration with **AWS Cognito, Lambda functions, and AWS SNS**, which ensured seamless and secure access for **45k users** and led to a **10% reduction in login time**
- **Mentored** new team members by conducting detailed **code walkthroughs, knowledge transfer sessions**, and workshops, enhancing team collaboration and effectively communicating complex concepts for smoother onboarding and skill development

Software Engineer – Travelex   **June 2020 - October 2020**

- Orchestrated the AWS migration from monolithic to microservices architecture by leveraging Docker containerization for scalability and achieving **25% reduction in response latency**
- Engaged in **Agile Scrum** environment, optimized business workflow resulting in a 20% increase in efficiency, and built more than **10 REST APIs** using **Node Js**, **TypeScript**, and AWS **DynamoDb**

Software Developer - TIAA GBS   **July 2018 – June 2020**

- Crafted a **Java-Spring MVC** web app enabling TIAA advisors to create customized investment plans, **leading to 10%** efficiency gain and heightened customer satisfaction
- Programmed the implementation of a **Kafka-driven payment processing system** for real-time transactions, fraud detection, and notifications, resulting in a notable **25% reduction** in payment processing time
- Resolved multiple high-priority **Production issues**, provided support in **Production releases** and delivered root causes through level 3 Incident Management, Service Requests, Change Management, and Jira stories
- Designed and executed automated testing processes, achieving a robust **code coverage of 85%** and consistently **reducing regression defects by 30%** in each release cycle

SKILLS

Programming Languages: Java, Python, C++, JavaScript, TypeScript
Back-end Framework: Spring Boot, Spring JPA, Spring Hibernate, Spring MVC, Express JS, JSP, REST API, Graph QL
Front-end Tools: React, Redux, JQuery, HTML, CSS, Redux Saga, Material UI, Bootstrap, AJAX, Angular, Tailwind, JSON
Database: Oracle, Aurora DB, MongoDB, MySql, Firebase Auth, Redis, Elasticsearch
Cloud & DevOps : AWS, Git, Docker, Kubernetes, Jenkins, Postman, Splunk, NPM, Junit, Jira, Confluence, PowerShell

EDUCATION

Northeastern University - Master of Science in Software Engineering Systems   December 2024 | **Boston, MA**
Object Oriented Design, Adv Big data, Data Science, UI/UX Design, Crypto and Smart Contract

University Of Mumbai - Bachelor of Engineering in Computer Science   June 2018 | **Mumbai, India**
Data Structures & Algorithms, Software Engineering, Machine Learning, Cloud Computing, Database Management System

PROJECTS

URL Shortener | Spring Boot, Apache Zookeeper, Redis, Spring JPA

- Designed a Base62-encoded counter-based mechanism, generating over 1M collision-free short URLs with high availability and fault tolerance in a distributed system

Retail Wave Ecommerce API | Spring Boot**,** Spring Cloud , Kafka, Mongo DB, Docker

- Formulated an event-driven microservices architecture for an online shopping app, enhancing system scalability and responsiveness, supporting up to 1,000 concurrent users

Employee Management System | SQL, PostgreSQL, Performance Optimization

- Scaled an Employee Management System using PostgreSQL, optimizing query performance by 40% through indexing and materialized views, while managing over 1M records with robust automation and secure role-based access controls

Online Recipe Sharing Platform | React, TypeScript, Django, PostgreSQL, AWS S3

- Demonstrated strong full-stack development skills by implementing features such as recipe creation, user ratings, grocery list generation, and social sharing