TANMAYEE KULKARNI

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EXPERIENCE

Alltech Consulting Services, Inc | Remote, United States   **July 2023 – Present**

Software Engineer

- Engineered new full-stack features within the Spring framework, implementing a high standard of resilience, leading to an optimized low-level code flow and a notable 20% reduction in feature implementation time, enhancing the security measures efficiency by 25%.
- Led code refactoring efforts that resulted in a 25% increase in codebase maintainability, thereby improving overall software quality.
- Outlined, designed and deployed microservices end-to-end, optimizing application performance from 0.5% to 1.5% increase.
- Leveraged expertise in Go, React, and Typescript to enhance UI/UX and functionality of the application by more than 37%.

Capgemini Technologies Ltd. | Mumbai, India   **Oct 2018 – Aug 2021**

Senior Software Engineer

- Spearheaded 3 cloud native end-to-end project deployments in an agile environment, achieving annual cost savings of $4M.
- Led product design to revise, modularize, automate and update old code bases to modern development standards, reducing time taken to perform disaster recovery operations by over 200%.
- Integrated Customer Relationship Management (CRM) software such as SAP and Hubspot, with client software via RESTful APIs, reducing onboarding time by 30% and thereby leading to seamless storage of business information.
- Developed and scheduled automation scripts for manual support related tasks reducing average customer query resolution time by 75%.
- Engaged with cross-functional teams for software requirements and specifications, ensuring alignment with business objectives.
- Programmed infrastructure to automate data collection, improving the efficiency and performance significantly cutting costs by $1.5M.

ETH Limited | Pune, India   **Aug 2018 – Oct 2018**

Software Engineer Intern

- Launched an e-commerce application using web services Jenkins/Git, contributing to faster response times to market changes by 0.2%.
- Remodeled the application using PostgreSQL(pgAdmin), Java/JSP and Spring boot as backend, optimizing the response time by 20%.
- Accelerated web app speed by 25% through Redis caching, session storage, and real-time processing.

SKILLS

Languages & Frameworks: Python, Java/J2EE, PL/SQL, Spring, ReactJS, Typescript

Tools & Libraries: JUnit, RESTful/SOAP APIs, PostMan, Apache Kafka/Tomcat, Redis, TensorFlow

Cloud and Containerization: AWS (EC2, S3, DynamoDB), GCP, Docker, Kubernetes, Agile/Scrum, Git, JIRA

Database: Microsoft SQL Server, MongoDB, PostgreSQL

Technical skills: JSON, XML, Maven, YAML, SaaS/IaaS, Microservices, Data Analysis, Agile Methodologies

Certification: SAP BusinessObjects Access Control 10.0 – Global Certification

RELEVANT PROJECTS

Demystify Trends of Artists with Twitter, Reddit and Spotify APIs | *Flask, REST API, Anaconda*

- Developed a scalable application to determine trending artists over Twitter's streaming RESTful API (1M tweets) and Reddit API.
- Conducted sentimental analysis on the data using Flask, Postman, MongoDB and Anaconda, in 95% accuracy rate.

Gesture Detection Model | *Python, OpenCV, Google Colab, Tensorflow*

- Built and trained a TensorFlow CNN model to accurately recognize 8 different hand gestures with an overall accuracy of nearly 98%.
- Achieved reduction in false positives detection by 98%, to optimize the image preprocessing and video capturing process, using OpenCV.

Building ETL Pipeline Simulation Model of AWS Glue | *Python, Pandas, AWS S3, Tableau*

- Implemented production-ready ETL pipeline using Pandas AWS S3 and orchestrated the data using Docker Hub and Kubernetes.
- Achieved real-time transformations of Deutsche Börse Trading Dataset of 140,000 data points, visualized the data on Tableau dashboard.

EDUCATION

Binghamton University - The State University of New York, United States

Master of Science in Computer Science

Relevant Coursework: Data Structures and Algorithms, Design Patterns, Cloud Computing, Social Media & Data Science Pipeline

Savitribai Phule Pune University, Smt. Kashibai Navale College of Engineering, India

Bachelor of Engineering in Computer Engineering