

TANMAYEE KULKARNI

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EXPERIENCE

Alltech, Inc. | Remote, United States

July 2023 – Present

Software Engineer

- Engineered new full-stack features within the Spring framework, 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 initiatives for legacy systems that resulted in a 0.5% increase in codebase maintainability and system resilience.
- 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.
- Revamped product design to modularize and automate legacy code bases to modern development standards, reducing time taken to perform disaster recovery operations by over 200%.
- Integrated Enterprise Resource Management (ERP) software such as SAP, 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 and automated 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 45% 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, Git, GitHub, JIRA

Database: MySQL, MongoDB, PostgreSQL, Microsoft SQL Server

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 | [Github](#)

- 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 | [Github](#)

- 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 | [Github](#)

- 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