SANJAN VADI

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EDUCATION

Stevens Institute of Technology, Hoboken, NJ   MAY 2024
Master of Science, Computer Science | GPA: 3.78
- Coursework: Web Programming, Data Structures, Algorithms, Agile Methodologies, Database Management

Basaveshwar Engineering College, Bagalkot, India   OCT 2020
Bachelor of Engineering, Information Science and Engineering

PROFESSIONAL EXPERIENCE

CARA SYSTEMS INC, BROOKLYN, NY   FEB 2024 – PRESENT
SOFTWARE DEVELOPMENT INTERN
- Spearheaded the design of UI prototypes using Figma, ensuring intuitive user experiences and garnering positive feedback from stakeholders.
- Directed the development of complex data pipelines in Azure, orchestrating the migration of healthcare data from Azure Healthcare Service to Azure ML Studio. Achieved a 30% reduction in data transfer time and optimized processing efficiency by 25%.
- Implemented robust storage solutions in Azure Virtual Machine, ensuring seamless processing and storage of data in designated data sinks. Resulted in a 40% increase in data accessibility and reliability.

INFOSYS LTD, BANGALORE, INDIA   MAR 2021 - JULY 2022
SOFTWARE ENGINEER
- Collaborated with a 10-person team to build an e-commerce platform, employing modern technologies such as React, JavaScript, HTML, CSS, and Bootstrap for frontend, and Java with Spring Boot, Hibernate ORM, and Tomcat server for backend architecture.
- Implemented automated continuous integration and deployment (CI/CD) pipelines using Jenkins, Docker, and AWS EC2, streamlining development process by enabling automated builds, tests, and deployments.
- Engineered a MySQL database, applying efficient indexing strategies to optimize query performance for managing product, user, and order data, supporting a large dataset of over 10,000 records.
- Facilitated to creation of RESTful APIs employing Spring Boot, Swagger for meticulous API documentation, and Spring Security for authentication and authorization protocols, sustaining a performance rate of over 500 requests per minute.

PROJECTS

Sidekick | Gaming Platform Tailored for Elderly   SEP 2023 – DEC 2023
- Engineered gaming platform utilizing ReactJS alongside NodeJS and MongoDB to develop a responsive platform, resulting in a remarkable 40% reduction in overall page load times.
- Leveraged advanced technologies including Socket.io and JWT authentication to optimize in-game interactions, leading to a 25% decrease in response time and a 50% improvement in platform security.
- Fostered a collaborative development environment through agile methodologies, conducting regular scrum meetings and sprint reviews, resulting in a notable 20% improvement in code quality.

PetOpia | Pet Health Management Platform   MAR 2023 – MAY 2023
- Spearheaded a team of four to develop a pet health management platform using ReactJS, Redux for front end and state management, NodeJS, MongoDB for backend, and Redis for caching.
- Successfully deployed website utilizing AWS EC2 infrastructure, integrating Jenkins for CI/CD pipelines and automated test cases.
- Integrated Google and GitHub social sign-in utilizing Firebase, simplifying user onboarding and login processes.

Ticketmaster Clone   FEB 2023 – MAR 2023
- Developed a robust ticketing platform built using Next.js and MaterialUI for front end and Node.js back end leveraging Ticketmaster API as a data source.
- Integrated GraphQL to efficiently handle data queries and mutations. Optimization resulted in a 25% decrease in response times and a 10% increase in overall platform performance.

KEY SKILLS
- **Programming Languages:** Java, JavaScript, TypeScript, Python
- **Frontend:** HTML, CSS, React.js, AngularJS, Next.js, Redux, MaterialUI, TailwindCSS
- **Backend:** Node.js, Express.js, REST APIs, Apollo GraphQL, Microservices, ORM (Hibernate, Mongoose)
- **Databases:** MySQL, MongoDB, Postgres, Redis, NoSQL, Firebase
- **Agile:** Agile Methodologies, Extreme Programming, Lean Planning, Jira, Confluence
- **DevOps:** AWS, Azure, Docker, Jenkins, Git, GitHub Actions