

RAJ SHAH

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EDUCATION

Syracuse University , Syracuse, NY	Aug 2022 - May 2024
Master of Science in Computer Science Teaching Assistant for Database Management Systems	GPA – 3.81/4.0
Vishwakarma Institute of Information Technology , Pune, MH	Aug 2017 - May 2021
Bachelor of Technology in Computer Engineering First Rank Holder	GPA – 3.97/4.0

SKILLS

Languages:	Java, C++, C#, Python, JavaScript, TypeScript, Node.js, Angular, React, HTML/CSS
Databases & Cloud:	SQL, MySQL, PostgreSQL, MongoDB, SQLite, Firebase, AWS(Lambda, S3, RDS, EC2)
Frameworks & APIs:	Spring Boot, .Net, Express.js, RESTful, GraphQL, OAuth 2.0, JWT
Platform Tools:	CI/CD, Git, JIRA, Postman, Docker, Jenkins, Kubernetes, Terraform, Kafka, Redis
Certifications:	IBM Sterling Order Management, SDLC, Object Oriented Methodology, Agile Methodology

EXPERIENCE

Software Engineering Intern | Savana Inc, Malvern, PA Jun 2023 - Aug 2023

- Engineered a B2C system using Angular, C#, .NET, and PostgreSQL to streamline the migration of elevation snapshots to higher environments, resulting in a 30% improvement in data transfer processes.
- Executed state management using NgRx and RESTful APIs in .NET to enhance data retrieval efficiency by 20% for user data, snapshot records, and configuration settings, leading to a more responsive user experience.
- Deployed a Redis caching mechanism that streamlined data retrieval processes, directly decreasing server load times by 25% and allowing for seamless handling of 10,000+ concurrent user requests.

Software Engineer | Accenture, Pune, MH Jun 2021 - Jul 2022

- Overhauled the code development process for order management systems using IBM Sterling, Java, Spring Boot, and MySQL, increasing efficiency by 35% through region-specific module categorization.
- Streamlined backend testing and continuous integration processes using IBM Sterling API Tester, Postman, and CI/CD pipelines, resolving code limitations and reducing bug-related incidents by 20%.
- Enhanced data extraction and manipulation for large datasets using intricate SQL queries and data filtering techniques, boosting overall system performance by 25%.

Software Developer | Proost Solutions Pvt Ltd, Pune, MH May 2019 - Jun 2021

- Architected the DrPrax EMR/EHR platform using React, Firebase, AWS (S3, EC2), and Node.js, facilitating rapid healthcare digitization within 30 minutes and improving treatment adherence.
- Implemented robust authorization, authentication, and data encryption mechanisms using OAuth 2.0 and JWT, reducing security-related complaints and enhanced overall system security by 7%.
- Strengthened the product roadmap by integrating AI/ML components to improve clinical decisions, leveraging data from over 300K prescriptions and 1550+ doctors.

PROJECTS

Kanban Board - Project Management System

- Devised a robust MVC-based kanban board with Java, Spring Boot, React, and SQL, integrating task management and status log history via a REST APIs, streamlining project tracking efficiency.
- Revamped project management workflow with Redux, reducing data fetching requests by 30%, and ensured scalable deployment using Docker while amplifying API performance with Postman and Swagger.
- Leveraged Apache Kafka for real-time data synchronization across 10+ users, enhancing task collaboration and reducing data inconsistency issues by 40% in project management workflows.

Public Curative Health Care & Wellness Chatbot

- Developed a healthcare chatbot using MERN, Python, and DialogFlow, enabling patients to receive tailored health advice and locate hospitals, enhancing healthcare accessibility and decision-making.
- Orchestrated a team of four students to gather comprehensive business requirements and achieve 90% accuracy in disease prediction using Machine Learning Algorithms, improving patient engagement and decision-making.
- Automated the deployment of cloud resources on AWS using Terraform, reducing manual configuration time by 4%.