RAJ SHAH

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EDUCATION

Syracuse University, Syracuse, NY   August 2022 - May 2024
Master of Science in Computer Science | Teaching Assistant for Database Management Systems   GPA – 3.8/4.0
Vishwkarma Institute of Information Technology, Pune, MH   August 2017 - May 2021
Bachelor of Technology in Computer Engineering | First Rank Holder   GPA – 3.97/4.0

SKILLS

Languages:	Java, C#, JavaScript, TypeScript, Python, C++, HTML, CSS, PHP, Swift, Flutter
Frameworks:	React, Angular, Express, Next.js, Node.js, Spring Boot, .NET, REST APIs, GraphQL
Databases & Cloud:	MySQL, PostgreSQL, MongoDB, Firebase, Redis, AWS (RDS, DynamoDB, Redshift)
DevOps & CI/CD:	Git, Bitbucket, Docker, Kubernetes, Jenkins, Terraform, AWS CodePipeline
Other Tools:	Unix/Linux/Bash, Jira, Swagger, Kafka, Postman, Trello, Confluence, Notion
Certifications:	AWS Certified Solutions Architect, IBM Order Management, Agile Methodology, SDLC

EXPERIENCE

Software Engineering Intern | Savana Inc, Malvern, PA   June 2023 - August 2023
- Engineered a robust B2C system using **Angular, Typescript, C#, .NET, and AWS Lambda**, improving the migration of elevation snapshots to higher environments by 30% and reducing downtime during data transfers.
- Spearheaded state management using **NgRx** in conjunction with **REST APIs**, improving data retrieval efficiency by 5X for 5,000+ active users and tenants, leading to a 20% increase in service adoption.
- Deployed a **Redis** caching mechanism, reducing server load times by 25% (from 200ms to 150ms) and handling 10,000+ concurrent requests seamlessly.

Software Engineer | Accenture, Pune, MH   June 2021 - July 2022
- Overhauled the code development process for the company's enterprise-grade order management systems using **Java, Spring Boot, IBM Sterling, XML, and MySQL**, leading to a 35% increase in efficiency.
- Streamlined backend testing and **CI/CD** pipelines using **Jenkins, IBM Sterling API Tester, and Postman**, reducing bug-related incidents by 20% and improving deployment speed and client satisfaction.
- Implemented advanced **SQL** queries and **ETL** processes to enhance data extraction for large datasets, enabling faster report generation and boosting system performance by 25%.

Software Developer | Proost Solutions Pvt Ltd, Pune, MH   May 2020 - June 2021
- Architected the DrPrax EMR/EHR platform using **React, Javascript, Node.js, Firebase, and AWS (S3, EC2)**, enabling 30 minute healthcare digitization for clinics and improving treatment adherence by 15%.
- Integrated **OAuth 2.0 and JWT** for authorization, authentication, and encryption, achieving a 7% reduction in security incidents and enhancing protection of sensitive medical data for 300K+ prescriptions.
- Applied **AI/ML** algorithms to enhance clinical decision-making accuracy by 15%, providing recommendations to over 1,500 healthcare professionals.

PROJECTS

Kanban Board - Project Management System
- Devised a robust **MVC-based** Kanban board using **Java, Spring Boot, React, and SQL**, integrating task management and status log history via **REST APIs**, streamlining project tracking efficiency by 30%.
- Revamped project management workflow with **Redux**, reducing data fetching requests by 30% and ensuring scalable deployment using **Docker**. Enhanced API performance by 20% with **Postman and Swagger**.

Public Curative Health Care and Wellness Chatbot
- Developed an **AI-driven** healthcare chatbot using the **React, Node.js, Python, MongoDB, and DialogFlow**, allowing 500+ patients to access real-time health advice and locate hospitals, enhancing healthcare accessibility.
- 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 by 15%.

TrackIT - Expense Made Easy
- Built an iOS expense tracking app using **Swift, Java Spring Boot, and MySQL**, featuring secure user authentication and advanced CRUD operations, leading to 20% faster financial management for users.
- Pioneered **MVVM architecture** for efficient client-server interaction, boosting user access to banking services by 15% using **MapKit**, allowing users to locate nearby banks and ATMs within a 5-mile radius.