Vraj Shah

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Skills

Programming: Java, C#, Kotlin, Python, JavaScript, TypeScript, SQL

Web Technologies: Angular, React, HTML5, CSS3, TailwindCSS, XML, JSON

Backend Development: .NET, Spring Boot, Node.js, Express.js, RESTful APIs, Microservices

Database Management: SQL Server, PostgreSQL, MySQL, Firebase Firestore

DevOps & CI/CD: GitHub Actions, GitLab CI, Jenkins, Docker, Kubernetes

Software Development Practices: Object-Oriented Programming (OOP), Test-Driven Development (TDD), Agile (Scrum)

Version Control & Collaboration: Git, GitHub, GitLab, Jira

Soft skills: Strong communication, Problem solving, Teamwork and collaboration, Adaptability, Attention to detail, Critical thinking, Time management, Ability to learn continuously

Work Experience

Simform Solutions   Dec 2021 - Nov 2023

Software Engineer   *Ahmedabad, India*

- Designed and developed scalable software modules using **C#, Java, and Kotlin**, improving system efficiency.
- Built frontend interfaces with **Angular & React**, enhancing user experience and reducing page load times by 40%.
- Developed RESTful APIs & microservices using **Spring Boot & .NET**, improving API response time by 25%.
- Integrated **SQL Server & PostgreSQL** databases, optimizing queries for a 50% performance boost.
- **Led research on new technologies**, implementing containerization (Docker, Kubernetes) to improve system scalability.
- Implemented CI/CD pipelines (**GitHub Actions, GitLab CI**), reducing deployment failures by 30%.
- Collaborated in an Agile (Scrum) team, ensuring software integrity through **code reviews & unit testing** (JUnit, Mockito, Cypress).
- Enhanced application security by implementing **OAuth 2.0 & JWT-based authentication**, reducing unauthorized access by 40%.
- Refactored legacy codebases to follow modern design principles (**SOLID, Clean Architecture**), reducing maintenance overhead by 30%.
- Integrated third-party APIs (**Stripe, Firebase, Twilio**) to extend application functionalities, reducing development time for core features.

Education

Dalhousie University   Jan 2024 - Sep 2025

Master of Applied Computer Science (Co-op Candidate) | ***GPA: 4.07/4.3***   *Halifax, Canada*

Charusat University   Jun 2018 - Apr 2022

Bachelor of Computer Engineering | ***GPA: 8.7/10***   *Gujarat, India*

Projects

ServiceHub | *Source Code*   **ReactJS** | **Spring Boot (JAVA)** | **MySQL**

- Developed a scalable web application using **ReactJS**, **implementing modular UI components for a seamless user experience**. Integrated lazy loading and performance optimizations, **reducing page load time by 40%**.
- **Applied Object-Oriented Programming principles** (e.g., classes, objects, inheritance) to design modular and reusable code for the backend, ensuring maintainability and scalability.
- **Architected backend using Java Spring Boot and integrated it with a ReactJS frontend, achieving 99.9% uptime** and enabling seamless real-time interactions among over 1,000 active users.

TaskFlow | Company Project   **Angular** | **.NET** | **SQL Server**

- **Developed a task management web application using Angular & .NET**, enhancing team collaboration and productivity.
- **Designed an interactive drag-and-drop Kanban board**, improving task visibility and workflow efficiency.
- **Built a secure authentication system with JWT**, ensuring role-based access control for different user types.
- **Integrated SQL Server as the database**, optimizing query performance and reducing data retrieval time by 30%.
- **Implemented real-time updates using WebSockets**, allowing users to see changes instantly across multiple devices.