Chinmay Modi

Email: chinmaymodi@gmail.com | Phone: +1 (832) 876 3456 | LinkedIn: www.linkedin.com/in/chinmaymodi/

Address: Chicago, IL | Website: https://chinmaymodi.github.io/

Skills

Languages
- C#
- Python
- JavaScript

Frameworks
- React
- .NET
- Entity
- MVC

Web Development
- REST APIs
- OpenAPI/Swagger
- jQuery

Databases
- MSSQL
- MongoDB
- Redis

Version Control and Deployment
- Git
- Jenkins
- SumoLogic

Other Tools
- Quill (Quintiq)
- HTML5/CSS3

Platforms
- Windows
- Linux

Professional Experience

Software Developer II
March 2022 – November 2022
SMS Assist LLC

- ➢ Part of internal product development for B2B software, collaborating in a fast-paced team to deliver on new customer onboarding, from requirement gathering to prototyping and module release.
- ➢ Designed and implemented both monolithic and microservice architecture using C# in the .NET framework. Developed and tested APIs with tools like Postman and Swagger/OpenAPI.
- ➢ Enhanced database operations using Entity Framework for seamless ORM and LINQ to query and manipulate data in a more readable and efficient way.
- ➢ Developed and maintained a front-end website using React, while modernizing legacy code in KnockoutJS. Transitioned legacy monolithic systems to microservices, enhancing scalability and maintainability.
- ➢ Built user-facing interfaces for file uploads and data downloads, ensuring seamless back-end processing and integration.
- ➢ Improved development workflow by contributing to comprehensive documentation and promoting best practices in code quality and maintainability.
- ➢ Deployed modules using Jenkins, utilizing the CI/CD pipeline.
- ➢ Provided live production support, leveraging SumoLogic for error analysis and delivering rapid issue resolution to ensure customer satisfaction.

Software Developer
April 2019 – January 2022
Ab Ovo North America

- ➢ Contributed to a multi-phase project for a leading Canadian rail cargo company, transitioning from Software Developer (Quintiq Specialist) to a hybrid role involving Technical Consultant responsibilities to provide technical expertise during US/CA working hours, becoming a code owner during phase 3.
- ➢ Delivered solutions within the Quintiq framework, leveraging QPLC and transitioning from a waterfall model to a hybrid Agile structure to align with evolving client needs.

Phase 1:
- ➢ Designed and implemented EDI interfaces, modeled complex network elements, and enhanced GUI components to improve user interaction.
- ➢ Developed KPIs, constraints, and robust exception-handling mechanisms to ensure operational efficiency.

Phase 2:
- ➢ Built APIs to enable seamless data retrieval within the software and integrated third-party REST APIs to facilitate data forwarding.
- ➢ Created a communication framework with detailed designs and documentation, streamlining data exchange across systems.
- ➢ Designed and implemented a load and performance testing module, optimizing debugging processes and resolving memory and performance bottlenecks.

Phase 3:
- ➢ Diagnosed and resolved performance issues in client environments, delivering technical solutions to meet large-scale operational needs.
- ➢ Designed innovative interfaces and implemented archiving functionality, improving dataset management, and enabling rapid data loading/offloading.
- ➢ Provided ongoing support by resolving bugs, and developing new functionalities tailored to changing client requirements.

Additional contributions:
- ➢ Authored start-of-project and defining documentation for key initiatives, including additional railway and air industry projects.
- ➢ Developed in-house tools and demos to enhance operational capabilities, streamline workflows, and contribute to other project efforts.
- ➢ Mentored junior team members, fostering knowledge sharing and technical skill development within the team.

Student System Administrator   June 2016 – August 2017
University of Houston. Clear-Lake
- ➢ Maintenance of support website, database management, course and data hosting, and user support.
- ➢ Configured systems for LDAP use for user authentication and NFS access.
- ➢ Participated in system restoration, update, and database recovery from backup, following a raid crash event.

Education
Master of Science in Data Analytics   Ongoing
McDaniel College – MD
Master of Science in Computer Science   December 2017
University of Houston – Clear Lake, TX
Bachelor of Technology in Information and Communication Technology   June 2015
DA-IICT, Gujarat, India

Past Certifications
Certified Scrum Product Owner (CSPO)
Quintiq Specialist Level 1
Quintiq Technical Consultant Level 1