

Nisarg Amin

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[PortFolio](#)

Highly motivated and hardworking Full Stack Developer with an imaginative and curious mindset developing MERN stack web applications. Passionate about putting the ideas around my head into the real world with strong attention of detail. Possess a problem-solving mindset and is committed to providing consistent, high-quality work and solutions.

Skills and Qualification:

Professional Experience

Product Developer (ERP Buddies)

February 2024 – Presently Working

- **Designed and developed cloud infrastructure from scratch** using AWS EC2, setting up and maintaining instances for a scalable and robust application environment.
- Built a **finely-tuned AI-driven chatbot** using OpenAI's Chat API for NetSuite-related inquiries, customizing responses to streamline customer support within BuddyBot and enhance user engagement.
- **Led and managed a development team**, overseeing projects from inception to deployment, ensuring code quality and optimizing workflows for high productivity.
- **Developed a video-calling application from scratch** using WebRTC, integrating AWS S3 and EC2 to enable efficient video storage and processing.
- **Implemented data caching and management using Redis** and incorporated large language models (LLMs) to add intelligence and speed to data handling processes.
- **Built a seamless frontend-backend communication flow** using React Query, achieving efficient data requests and synchronization for a responsive user experience.
- **Developed secure login authentication from scratch** using JWT tokens, ensuring robust access control and data protection.
- **Integrated Cohere's language models** for advanced language processing, enriching applications with enhanced understanding and responsiveness.
- **Configured Babel from the ground up** to streamline code transformation for compatibility across multiple browsers, improving application accessibility and performance.
- Designed and implemented **MongoDB** as the primary database, storing and managing application data securely and efficiently.
- Worked on a **Bluetooth terminal and Stripe integration** in React Native as part of a separate project, allowing seamless Bluetooth communication and secure payment processing.
- Used **Azure DevOps to manage workflows and track project progress**, ensuring efficient collaboration and timely completion of tasks.
- Utilized **Socket.IO** for chat communication and video call signaling server communication, ensuring real-time interaction between users in the application
- Used **Docker** to build and manage containers, making it easier to package and deploy applications.
- Set up and maintained **Kubernetes** clusters to run and scale applications reliably.

Full Stack Developer Intern

September 2023 – December 2023

- Worked on the real-world project for the Metaguest.ai product. During the development of products, I have used React, Express, MongoDB, and Nodejs.
- I have developed a Restaurant Application from the scratch using MERN stack. I have used a Node-thermal printer to make it work. Integration of a Node-thermal printer, enabling on-the-fly receipt printing upon customer order placement.
- I have developed a custom payment page and integrated Card Payment, Apple Pay, and Google Pay using Stripe.
- Communicated smoothly and consistently with the Chief Operating Officer and senior developer during the whole development process.

Software Automation Leader

February 2021 – January 2022

- Worked as a Software Automation Leader at Streebo INC. (MNC) and performed functional testing, automation testing, performance testing, and security testing.
- Created and executed automated software test plans, cases, and scripts for insurance companies such as ABSLI and TATA.
- Collaborated with managers, developers, and business analysts with the Team in a fast-paced environment, utilizing my excellent teamwork and communication skills.
- Experienced in writing test cases, automating tests using Selenium, and unit Test using Junit.

Front-End developer Freelance

February 2022

- Collaborated with clients to understand project requirements and delivered front-end development solutions.
- Created aesthetic designs using HTML, CSS, and JavaScript.

Android Developer- 1Mail App(ZX Technologies)

References: Available upon request

- Developed the Message App for the Client to generate four different auto-responses when the user receives an SMS using Chatgpt API. Allowing users to select their preferred response can streamline communication and save time for users.
- To further enhance the app, added customization in the app. Allowing users to create their own custom responses that can write the message to the user.

Technical Skills:

- Area of Expertise: React Native, React, MongoDB, Node.js, Express.js, MySQL, Firebase, Socket.io, Redux, Axios, HTML, CSS, Figma, Adobe XD, JIRA, WebRTC, MySQL
- Programming Languages: JavaScript, SQL, Swift, Kotlin
- Version Control: Git, GitHub, AzureDevops
- Hosting Platforms: Firebase, Heroku, Render, GitHub Pages, AWS EC2

Education**Mobile Application Design and Development**

May 2022- January 2024

*Lambton College(Canadian Post-Secondary Institution)***Bachelor of Technology in Electronics and Communication**

Graduated May 2021

Birla Vishvakarma Mahavidyalaya