

NIRAV CHANDRAKANT WAGHELA

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Results-driven software developer with over 4 years of experience in Full-stack web development. Proficient in **JavaScript, TypeScript, ReactJS, NodeJS, Angular, C#, Java, SQL**, and **Spring Boot**. Seeking challenging software development roles that offer opportunities for growth and impact

Education

Master of Science in Computer Science, University of Texas at Arlington , (GPA – 3.7/4.0)	Aug 2021- May 2023
Bachelor of Engineering in Information Technology, University of Mumbai (GPA- 3.5/4)	Jul 2014- June 2018

Professional Experience

Web Developer – Shimadzu Institute for Research Technologies - Texas, USA Sept 2021 - May 2023

- Developed a RESTful API using **NodeJS** to handle reservation requests, incorporating modern web application frameworks **React, Typescript, bootstrap** and **MaterialUI**
- Optimized a MySQL schema for storing reservation data, resulting in a 26% data retrieval speed improvement
- Created interactive React dashboards for real-time insights into downtime trends and decision-making
- Implemented **OAuth** and **JWT** for secure access controls and permission management

Full Stack Developer - Freecharge Axis bank - Mumbai, India Sept 2020 - Jul 2021

- Facilitated the account opening process for over **200,000** users at Axis Bank by implementing a system built with **React, Redux, TypeScript, NodeJS**, and **MongoDB**.
- Employed **Kafka's** pub/sub model for real-time microservice communication. **Dockerized** backend services for scalability
- Engineered a modular, component-based architecture, empowered by **Redux** and **Context API** for advance state management
- Implemented **AES-256** secure hashing for API data encryption and integrated microservices into the backend architecture to improve scalability
- Enhanced user experience by optimizing **Webpack** output bundles with **code splitting, tree shaking**, and **minification**, resulting in a 10% reduction in page load times

Software Developer - School of Accelerated Learning - Mumbai, India July 2020 - Sept 2020

- Crafted an e-learning platform using **React** and **Redux**, delivering seamless onboarding and tutoring experience for **5000+** students
- Optimized UI development by 25% with **ANT** Design components
- Implemented data visualizations and dashboards using **Chart.js** for comprehensive insights

Software Engineer - Accionlabs - Mumbai, India July 2018 - Jan 2020

- Migrated jQuery-based credit reporting app to **Angular** with **reactive forms** and **GraphQL**, improving data validation and integrity
- Spearheaded **TDD** (Test Driven Development) adoption, reducing defect resolution time by 30%
- Incorporated **API gateway** using **NodeJS** and **ExpressJS**, playing a crucial role in **Server-Side Rendering**, and template compilation for old browser like IE8

Academic Projects

Carma Ridesharing Mobile App [2023]

- Developed a decentralized ridesharing app, connecting riders and drivers directly, eliminating third-party intermediaries.
- Utilized a three-tier architecture (**React Native, NodeJS, IPFS/Pinata SDK**) to ensure secure and transparent ride transactions with features like geolocation, booking/payment and real-time ride tracking

Bank Management System [2022]

- Implemented a Banking System using **C#** to handle multiple branches with accounts, track transactions, and maintain records
- Developed an **MVC** application with **CRUD** operations using **Entity Framework's LinQ** and **EF functionality**, and wrote Unit Test Cases with **NUnit** framework

Twitter Backend Prototype [2020]

- Developed a Twitter backend prototype enabling user profile and real time tweet checks using **ExpressJS, NodeJs** and **MongoDB**.
- Configured **PassportJS** as the authentication middleware for NodeJS to enhance security and user authentication

SKILLS

Languages: JavaScript, TypeScript, Java, Python, C#, C, C++

Web Technologies: Node.js, React.js, Redux, Angular, RESTful Web Services, OAuth2, Bootstrap

Technologies: Express.js, Docker, Kubernetes, Spring Boot, Kafka, JSON

Database: MySQL, MongoDB, Oracle

Tools: Git, Jira, Postman, GCP, AWS, Jest, NUnit