

NAVEEN BABU

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EDUCATIONAL QUALIFICATION

Master's in Information Systems

Expected May 2025

Northeastern University, Boston, MA

Coursework: Data Structures & Algorithm, Application Engineering and Development, Data Management & Database Design, Web Design & User Experience Engineering.

Bachelor of Engineering in Electrical & Electronics Engineering

May 2021

Easwari Engineering College, Chennai, India

TECHNICAL SKILLS

Languages:	Java, Python, Rust, Solidity, Kotlin, JavaScript, Typescript, C++, HTML5, Rest API
Database and QL:	SQL, NoSQL, MySQL, GraphQL, PostgreSQL, MongoDB, Neo4j
Libraries/Frameworks:	React.js, Node.js, React Native, Express.js, Axios, Socket.io, NPM, JQuery, Redux, Three.js, Sass, Tailwind, Bootstrap, GSAP, Framer motion
User Experience:	Wireframing, Prototyping, Usability testing
Testing & Methodologies:	Agile Methodologies, Testing Strategies, Debugging
Developer Tools:	Android Studio, GitHub, Postman, Figma, Balsamiq, Docker, Kubernetes, Helm

WORK EXPERIENCE

Software Developer, Chennai, India,

July 2021 - August 2023

Tata Consultancy Services

- Developed and optimized frontend applications for the Humana project, utilizing React, Redux and GraphQL; streamlined UI elements resulting in a 25% increase in user engagement and a 15% reduction in bounce rate.
- Revolutionized project backbone by spearheading the implementation of ReactJS, JavaScript, and TypeScript; fortified team's technical capabilities, resulting in a 40% reduction in development time and a 25% increase in project efficiency.
- Authored comprehensive test scripts for newly designed components, achieving 98% code coverage within two weeks; this effort led to quicker identification and resolution of bugs before production releases.
- Collaborated with the DevOps team and achieved successful transition from monolithic architecture to microservices setup over three months by leveraging Docker for seamless integration into existing workflows; this enhanced flexibility reduced developer onboarding time drastically.
- Orchestrated one-on-one mentorship sessions tailored around individual growth goals related to ReactJS proficiency which resulted in five junior developers transitioning into more complex roles with significant contributions assessed at over ten feature implementations each month.

PROJECTS

Professional Connect Application | JavaScript, React.js, MongoDB, Node.js, Express.js, Socket.IO

- Architected a groundbreaking networking platform with JavaScript, React.js, MongoDB, Node.js, Express.js.
- Integrated in-app communication features directly into the software platform, resulting in a 30% reduction of user reliance on external applications and enhancing direct interactions among users across all devices.
- Launched a targeted alumni networking website, which streamlined user registration processes and reduced onboarding time by 40%, enhancing overall user satisfaction and retention.

Bitcoin Explorer | Rust, Bitcoin core RPC, Typescript, React

- Engineered a Bitcoin explorer application, utilizing Rust and Bitcoin Core RPC for backend processing and TypeScript with React for the frontend. Integrated Neo4j for advanced data management and visualization.
- Implemented real-time data fetching capabilities from a locally running Bitcoin Core node using RPC.
- Created engaging visual elements on the platform's interface focusing on key blockchain metrics; findings helped identify areas needing improvement while delivering insights into top features used by customers.
- Implemented optimized database architecture with Neo4j, improving overall system speed and increasing the efficiency of complex queries by nearly one-third, leading to a more responsive user experience.
- Enhanced user engagement through intuitive design, increasing usage metrics by 20%.

Best Buy Clone Application | JavaScript, React.js, Node.js, Tailwind CSS, Figma

- Masterminded a high-impact Best Buy clone application, leveraging React.js, Node.js, Tailwind CSS, and design tools such as Balsamiq and Figma.
- Redesigned innovative cart features to combat cart abandonment, resulting in a 25% decrease in abandoned carts and a 15% increase in completed purchases, setting a new industry standard for e-commerce applications.