

# VIJAY PANNEERSELVAM

## Full-Stack Developer

As a dynamic professional, I bring a unique blend of design expertise, intuitive problem-solving capabilities, and a proven track record in JavaScript frameworks, including React.js, React Native, Next.js, Express.js, and Node.js. My passion for innovation drives me to create groundbreaking solutions that push boundaries and address complex challenges. With a keen ability to translate intricate business requirements into precise technical solutions, I bridge the gap between concept and execution, consistently delivering results that align with organizational goals.

### EXPERIENCE :

#### React Native Developer - Netsecure Technologies

Netsecure Technologies is a technology consulting & software development company that helps businesses maximize the power of Mobile Apps, Cloud & Product development.

##### January 2023 - September 2023 (9 months )

- **Law Enforcement App for Ahmedabad Police:** Designed and developed a comprehensive mobile application tailored for the specific needs of the Ahmedabad Police, enhancing operational efficiency and law enforcement capabilities.
- **Mobile App for NKDA (New Town Kolkata Development Authority):** Designed and built an Android application for NKDA, optimized for in-campus usage to support incident management, contributing to improved incident response and resolution.
- **Headless & GIS API Integration:** Expertly integrated headless APIs and Geographic Information System (GIS) APIs within the projects, enhancing data management and geographical mapping capabilities. Utilized Redux-Saga for seamless asynchronous operations.
- **Mobile Biometric Authentication:** Implemented mobile biometric authentication features to enhance security and user verification, ensuring a robust and secure user experience.
- **QR Scanner Functionality:** Developed and integrated QR code scanning functionality within the applications, providing users with a convenient and efficient means of data input and retrieval.

#### Full-Stack Developer - Altsys Technologies

Altsys Technologies is a product platform startup that provides visibility into configuration and consumption of security products from several OEMs.

##### August 2022 - November 2022 (4 months)

- **Microsoft Authentication Integration:** Proficiently implemented the Microsoft Authentication Library (MSAL) within the project, ensuring secure and seamless user authentication and authorization processes.
- **Custom REST API Development:** Developed custom RESTful APIs to facilitate communication between the frontend and backend components, enabling data exchange and application functionality.
- **Sequelize ORM and MySQL Integration:** Leveraged Sequelize ORM to establish a robust connection between the Express.js backend and a MySQL database. This integration ensured efficient data storage, retrieval, and management.
- **Data Processing in React:** Effectively processed and managed data within the React frontend by interfacing with backend APIs. This allowed for real-time data updates and a responsive user experience.
- **CRUD Application Creation:** Designed and implemented a comprehensive CRUD (Create, Read, Update, Delete) application tailored for organizational use. This application streamlined data management and provided essential tools for organizational efficiency.

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📍 Chennai, TN

#### Education

Bachelor of Science in Computer Science

- Agurchand Munmull Jain College 2015 - 2018, Chennai

#### Tools & Technologies

- Figma
- React.js
- React Native
- Next.js
- Express.js
- Node.js
- Strapi
- MongoDB
- MySQL

#### Industry Knowledge

- Product Design
- User Interface
- User Experience
- Wireframing
- Sitemap
- Lighthouse Testing
- Progressive Web App
- Service Worker

#### Other Skills

- HTML
- CSS
- jQuery
- JavaScript
- Typescript
- Python
- Tailwindcss
- Redux-Saga
- Bootstrap

## FREELANCE PROJECT :

### P4L (Platform For Learning) - React Native App

April 2023 - August 2023 (5 months)

- **Expertise in Redux Saga:** Demonstrated an in-depth understanding of state management and asynchronous data handling by prominently contributing to the "P4L - React Native App." Leveraged Redux Saga to efficiently manage complex data flows and asynchronous operations within the application, enhancing its overall performance and reliability.
- **React Native CLI Proficiency:** Played a vital role in the development of the "P4L" app by utilizing React Native CLI to build and maintain the mobile application. Proficiency in React Native CLI allowed for greater flexibility and customization in app development, contributing to a robust and feature-rich learning platform
- **Collaborative Teamwork:** Collaborated effectively as a dedicated part-time contributor within a cohesive 5-member team on the "P4L (Platform For Learning) - React Native App." Played a vital role in collectively achieving project milestones and ensuring the successful development and delivery of the application.

### Excellent Engineering Enterprises - NEXT APP

June 2022 - August 2022 (3 months)

- **Framework Transition and Enhancement:** Successfully led the transition of an existing React application to a Next.js framework, resulting in improved performance and SEO optimization. Simultaneously, enhanced the user interface (UI) and user experience (UX) to elevate the overall quality of the application.
- **Next Page Routing Implementation:** Implemented Next.js page routing, optimizing navigation within the application and ensuring a smoother user journey. This enhancement contributed to a more seamless and intuitive user experience.
- **Progressive Web App Integration:** Integrated Progressive Web App (PWA) features into the application, enhancing offline accessibility and user engagement. The incorporation of service workers and other PWA technologies improved the application's functionality and usability.
- **Project Focus and Achievements:** Demonstrated a strong focus on project objectives, aligning efforts with Excellent Engineering Enterprises' goals. The successful project completion not only improved the technical foundation but also positively impacted user satisfaction and engagement.

### M.N.SAFETY SOLUTIONS - React APP

February 2022 - May 2022 (4 months)

- **Diverse Skill Acquisition:** Gained expertise in a wide range of skills, including Git, Progressive Web App (PWA) development, SEO optimization, sitemap creation, service worker integration, accessibility enhancements, performance optimization, image compression, dynamic page creation with react-router-dom, Lighthouse testing, and user interface (UI) and user experience (UX) design.
- **Technical Requirement Evaluation:** Demonstrated the ability to gather and evaluate technical requirements for each website project, ensuring the production of high-quality code that aligns with client expectations and project objectives.
- **Enhanced Web Usability:** Updated web pages and navigation tools to meet client requirements and enhance overall usability, thereby improving the user experience and ensuring the website met current industry standards.
- **Cross-Platform Compatibility:** Conducted rigorous compatibility testing to ensure that web pages functioned seamlessly across various browsers, devices, and operating systems commonly used by customers, thus maximizing the website's reach and accessibility.
- **Code Optimization:** Improved JavaScript and CSS coding practices to enhance the website's functionality and user experience, contributing to more efficient and effective web solutions.
- **Feature Implementation:** Successfully created websites and implemented special features to achieve the functionality outlined in project designs, meeting client needs and project specifications.
- **Continuous Learning:** Maintained a commitment to continuous learning and improvement in programming practices, staying updated with industry trends and best practices to deliver cutting-edge web solutions.

## Certifications

- MERN Stack
- Python For Data Science
- Data Analysis Using Python

## Languages

- Tamil
- English