VIJAY PANNEERSELVAM

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PROFESSIONAL SUMMARY

Results-driven Full-Stack Developer with 3+ years of progressive experience in designing and implementing scalable web and mobile applications. Proven expertise in React ecosystem, Next.js, Node.js, FastAPI, and React Native with a strong track record of delivering enterprise-grade solutions across e-commerce, document processing, and AI-powered systems. Demonstrated ability to architect end-to-end solutions from conception to deployment, collaborate with cross-functional teams, and drive technical innovation in fast-paced environments.

PROFESSIONAL EXPERIENCE

Frontend Developer

Coffee Inc. | Chennai, Tamil Nadu, India (Hybrid)

December 2023 – Present (2 years)

- Spearheading Module Builder platform with dynamic API/UI builders and drag-and-drop ERP development, leveraging AI to eliminate interface inconsistencies
- Led engineering drawings extraction system processing thousands of documents in parallel with real-time feedback and custom annotation tools
- Trained computer vision models for automated detection of tables, diagrams, text blocks, and technical dimensions with high accuracy
- Implemented real-time architecture using Pusher and Redis for concurrent processing with live updates and interactive verification
- Developed company website (coffeeinc.in) with responsive product showcase pages
- Tech: React, React Native, Next.js, FastAPI, PostgreSQL, MongoDB, ChromaDB, Pusher, Redis, Docker, Coolify, Dokploy

React Native Developer

Netsecure Technologies | Bengaluru, Karnataka, India (Hybrid)

January 2023 – November 2023 (11 months)

- Developed mission-critical mobile application for Ahmedabad Police Department for streamlined operations and incident management
- Collaborated with IAS and IPS officers in technical sessions, ensuring alignment with governmental security protocols
- Built industry management system with real-time issue tracking, role-based ticket assignment, and automated alert mechanisms
- Engineered cross-platform solutions using React Native and Redux Thunk with secure authentication and role-based access control

Full-stack Developer

Altsys Technologies Private Limited | Bengaluru, Karnataka, India

August 2022 – November 2022 (4 months)

- Built full-stack features for security product configuration platform using Express.js and React.js
- Developed RESTful APIs and integrated with multiple OEM security products for visibility and consumption tracking

Freelance Web Developer

Freelance | Bangalore, India

January 2022 – July 2022 (7 months)

- Delivered end-to-end web projects from UI design to deployment using TypeScript, Next.js, and Node.js
- Mastered industry best practices for readable and maintainable code through mentorship

KEY PROJECTS

Module Builder System
Enterprise platform with dynamic API/UI builders and drag-and-drop ERP development. AI-powered automation ensures UI consistency. Stack: React Vite, FastAPI, PostgreSQL, Dokploy.

PMS ERP Project (EEPC)
Project management ERP system built using Module Builder platform for streamlined workflows and resource allocation. Stack: Module Builder, React, FastAPI, PostgreSQL.

KD JSON Schema-Based UI Builder
Dynamic UI generation enabling non-technical users to create application screens for sub-clients using JSON schema configuration. Stack: React, JSON Schema, FastAPI.

Engineering Drawings Extraction System
Document intelligence platform processing engineering drawings in parallel with custom annotation, verification workflows, and trained CV models. Stack: Next.js, FastAPI, Pusher, Redis, MongoDB.

EEPC Dashboard - Leave & Employee Management
Full-stack MERN application serving as middleware between legacy employee system and modern interface with real-time synchronization. Stack: MongoDB, Express.js, React, Node.js.

Firelink - Clinic Appointment System
Multi-tenant clinic platform with patient records, appointments, inventory management, real-time notifications, and PWA capabilities. Stack: Next.js, Supabase, PWA.

Postcard - AI-Powered Chat System
Real-time messaging with AI-driven insights for unread summaries, conversation analysis, and intelligent information retrieval. Stack: Supabase Realtime, AI, Next.js.

Metamarch - 3D Costume Customization
Interactive 3D platform for real-time costume design using WebGL with dynamic model manipulation. Stack: Three.js, React.

Fast Hugarex - Biometric Authentication
Mobile authentication system with facial recognition for secure login. Stack: React Native, Face Recognition APIs.

Chronos E-commerce Platform
E-commerce platform with shopping cart, secure checkout, and inventory management. Stack: Next.js, Tailwind CSS.

EDUCATION

Bachelor of Science in Computer Science
Agurchand Manmull Jain College, India
June 2015 – 2018 | CGPA: 72%

TECHNICAL SKILLS

Frontend: React.js, React Native, Next.js, TypeScript, JavaScript, Redux, Tailwind CSS, Three.js

Backend: FastAPI, Node.js, Express.js, Laravel, RESTful APIs

Databases: PostgreSQL, MongoDB, ChromaDB, Redis, Supabase

Cloud & DevOps: Docker, Coolify, Dokploy, Microsoft Azure, Google Cloud Console

AI/ML Tools: Roboflow, Unsloth, Kaggle

Real-time: Pusher, WebSockets

Tools & Others: Git, Postman, Strapi CMS, Version Control, Apple Developer Tools, Android Studio