DEBANJAN DASGUPTA

Senior Full Stack Developer

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PROFESSIONAL SUMMARY

Senior Full Stack Developer with 4+ years of expertise in Vue.js 3 ecosystem, specializing in Composition API architecture and reactive system optimization. Proven expertise in delivering 1300+ production-grade REST APIs across enterprise SaaS platforms, fintech applications, and healthcare management systems. Expert in building scalable, performant applications using Vue 3's advanced reactivity patterns, component composition strategies, and modern JavaScript ecosystem integration.

TECHNICAL STACK ARCHITECTURE

Frontend Expertise

Vue.js 3, Composition API, Nuxt 3, React, Next.js, TypeScript, JavaScript ES6+, React Native, Flutter

Backend Systems

Node.js, Hapi.js, Express.js, FastAPI, Python, RESTful APIs, Microservices Architecture

Database Management

MySQL, MongoDB, Redis, AWS RDS, DynamoDB, Query Optimization

Cloud Infrastructure

AWS (S3, EC2, RDS, Amplify), Docker, Container Orchestration, CI/CD Pipelines

UI/UX Technologies

Tailwind CSS, Bootstrap, Responsive Design, Component Libraries, Design Systems

Development Tools

Vite, Webpack, ESLint, Prettier, Git, Agile Methodologies

EDUCATION & ACADEMIC FOUNDATION

Bachelor of Technology (B.Tech)

Computer Science & Engineering

West Bengal University of Technology | 2016 - 2020

Specialized in Software Engineering, Data Structures, and Web Technologies

Higher Secondary Education (10th + 2)

Science Stream - Physics, Chemistry, Mathematics

West Bengal Council of Higher Secondary Education | 2014 - 2016

Secondary School Certificate (10th)

West Bengal Board of Secondary Education | 2014

VUE 3 COMPOSITION API COMPETENCIES

• Vue 3 Composition API Mastery
• Reactive System Optimization
• Component Architecture Design
• Performance Profiling & Tuning

• RESTful API Design Patterns
• Database Schema Optimization
• Cloud Infrastructure Management
• Technical Leadership & Mentoring

LANGUAGES & COMMUNICATION

English	**Bengali**	**Hindi**
Fluent (Professional)	Native Speaker	Proficient

PROFESSIONAL EXPERIENCE TIMELINE

Senior Software Developer
Jurysoft Global

June 2023 – Present

- Architected 8+ Vue.js 3 applications using advanced Composition API patterns and reactive state management
- Delivered 1300+ scalable REST APIs with microservices architecture supporting 10,000+ concurrent users
- Led ML-powered sustainability platform development integrating React Native with Nuxt 3 SSR
- Implemented high-performance trading algorithms using FastAPI with MongoDB clustering optimization

Junior Software Developer
Codelogicx Technologies

Sep 2021 – Jan 2023

- Developed 40+ RESTful APIs for healthcare and e-commerce platforms using Node.js and Express
- Built comprehensive clinic management system with Vue 3 reactive forms and role-based authentication
- Implemented 360° image processing pipeline with Python ML integration and real-time optimization

IT Team Lead
DMG Solution

Sep 2020 – Sep 2021

- Led cross-functional development team in Vue.js adoption and modern frontend architecture implementation
- Established coding standards and Vue 3 best practices resulting in 40% development efficiency improvement

STRATEGIC PROJECT PORTFOLIO

GreenSense AI - Sustainability Analytics Platform

React Native • Nuxt 3 • Composition API • Hapi • Node.js • MySQL

Sustainability scoring system with product tag scanning, real-time analytics dashboard, and Vue 3 reactive state management for complex data visualization.

TradeFast.AI - Algorithmic Trading Platform

FastAPI • Vue 3 • TypeScript • MongoDB • WebSocket Integration

High-frequency trading system with real-time market data processing, and Vue 3 Composition API for reactive trading interfaces.

VelvetsCare - Healthcare Management Ecosystem

Vue 3 • Tailwind CSS • Node.js • Flutter • MySQL • Redis

Comprehensive appointment management platform with role-based permissions, subscription billing, appointment scheduling, and Vue 3 reactive forms integration.

SkySecure.AI - Cybersecurity SaaS Platform

Vue 3 • Composition API • Node.js • Hapi • Next.js • MySQL

Software marketplace with zoho integration. Purchase order and invoice management system.

TheCloseCircle - Real Estate Coordination Platform

Flutter • Nuxt 3 • Composition API • Hapi • Node.js • MySQL

Real estate workflow management with intelligent scheduling algorithms, multi-agent coordination, and Vue 3 SSR for optimal SEO performance.

TECHNICAL ACHIEVEMENTS & BUSINESS IMPACT

- Delivered 1300+ production REST APIs with 99.9% uptime
- Architected 15+ Vue.js 3 applications using Composition API
- Optimized database to achieve 40% performance gains
- Implemented microservices supporting horizontal scaling
- Integrated ML capabilities in 3 major production platforms
- Mentored 5+ developers in Vue 3 and modern JavaScript
- Led Vue.js migration projects with 0 downtime deployment
- Established Vue 3 coding standards across development team