Shamveel P

Full Stack Developer

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PROFESSIONAL SUMMARY

Full Stack Developer with hands-on experience building scalable, production-ready web applications. Proficient in React, Next.js, Node.js, Express, TypeScript, and MongoDB, with strong expertise in RESTful APIs, JWT-based authentication, role-based access control, and payment integrations. Experienced in designing clean backend architecture using SOLID principles, Dependency Inversion, and Repository Pattern. Comfortable working with AWS, Docker, real-time systems, and Web3 integrations.

TECHNICAL SKILLS

Programming Languages	JavaScript, TypeScript, Solidity
Frontend Technologies	React, Next.js, Tailwind CSS, Bootstrap, Redux Toolkit, Zustand, shadcn/ui
Backend Technologies	Node.js, Express.js, RESTful APIs, JWT Authentication, Multer
Databases & Storage	MongoDB, PostgreSQL, Cloudinary, AWS S3
Cloud & Deployment	AWS EC2, Docker, NGINX, Render, Vercel
Payments & Authentication	Razorpay, Google OAuth, Facebook OAuth
Real-Time Systems	Socket.IO, WebRTC
Blockchain / Web3	Solidity, Smart Contracts, ERC-20, NFT Standards, DEX
Architecture & Design Patterns	SOLID, Repository Pattern, Dependency Inversion, MVC, OOP
Tools	Git, GitHub, Postman, Axios

PROFESSIONAL PROJECTS

ChainVerse — Web3 Ecosystem
Live — GitHub

A hybrid Web2 + Web3 platform enabling users to learn and interact with blockchain technologies through real-world use cases.

- Built a full-stack hybrid Web2 + Web3 platform using Next.js, TypeScript, Node.js, Express, MongoDB, and Solidity.
- Designed backend architecture following SOLID principles, Dependency Inversion, and Repository Pattern for scalability.
- Implemented secure authentication with signup, login, Google OAuth, password reset, JWT access and refresh tokens using HTTP-only cookies.
- Developed a Decentralized Exchange (DEX) with custom Solidity smart contracts deployed on Sepolia, supporting ERC-20 tokens, swaps, liquidity pools, and AMM logic.
- Built an NFT Marketplace with minting, buying, selling, and automated royalty distribution using IPFS (Pinata).
- Integrated Razorpay to enable INR-based crypto purchases, bridging Web2 payments with Web3 assets.
- Developed a social community platform with posts, comments, likes, follows, and real-time chat using Socket.IO.
- Implemented live community features including group chats and ChainCast live audio/video rooms using WebRTC.
- Added AI-powered workflows for trading and quest generation using Google AI and LangChain.
- Integrated real-time crypto market data using Binance and CoinGecko APIs.

Getter — Event Booking Platform
GitHub

A role-based event and service booking system with slot availability management and clean backend architecture.

- Built a full-stack event booking platform using Next.js, TypeScript, Axios, and shadcn/ui on the frontend.
- Developed a TypeScript-based backend using Node.js, Express, and MongoDB with RESTful APIs.
- Implemented JWT-based authentication with role-based access control for Admin and User workflows.
- Built admin-side services for event creation, service management, and slot scheduling.

- Implemented user-side booking flows with slot availability checks and conflict-safe slot booking.
- Designed backend architecture using SOLID principles, Dependency Inversion, and Repository Pattern.

PC Monarch — E-Commerce Platform   Live — GitHub

An end-to-end e-commerce platform for laptops and accessories with complete order lifecycle management.

- Built a server-rendered e-commerce platform using Node.js, Express, MongoDB, and EJS following MVC architecture.
- Implemented cart, checkout, orders, cancellations, returns, refunds, and wallet balance management.
- Integrated Razorpay for payments, refunds, and wallet transactions.
- Implemented role-based authentication with real-time inventory updates.
- Deployed the application on AWS with NGINX and production-ready setup.

MINI PROJECTS

Bore2Game — Online Game Platform   Live — GitHub

- Built a gaming platform using React.js and Tailwind CSS with a focus on fast UI and responsive design.
- Used LocalStorage to persist user scores, progress, and game history across sessions.
- Designed modular components for easy addition of new games.

ExpenSplit AI — AI-Powered Expense Tracker   Live — GitHub

- Built an expense tracking and splitting platform using Next.js and shadcn/ui for a modern user experience.
- Implemented authentication using Clerk and background event handling using Inngest.
- Integrated AI workflows to automate expense categorization and group-based expense splitting.

EDUCATION

Brocamp — Full Stack Development   *2024 – Present*
Brototype, Kozhikode

Common Facility Service Centre — Lab Chemist (Intern)   *2024*
Government Office, Manjeri

BSc. Physics   *2021 – 2024*
University of Calicut, Kerala