



Bipin Tripathi

FULL STACK DEVELOPER
SYSTEM ARCHITECTURE

CONTACT

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CORE STACK

- React.js
- Next.js
- Node.js
- Express.js
- MongoDB
- TypeScript
- JavaScript (ES6+)
- React Native
- MySQL
- PostgreSQL
- Redis
- PHP
- Laravel

ARCHITECTURE & TOOLS

- RESTful APIs
- Microservices
- System Design
- JWT / RBAC
- WebSocket
- AWS (EC2, S3)
- Docker
- GitHub Actions CI/CD
- Linux
- Git
- Prisma ORM
- Redux Toolkit
- Tailwind CSS
- Postman
- Agile / Scrum

EDUCATION

MCA
Indira Gandhi National Open University
2017 – 2020

BCA
West Bengal University of Technology,
Kolkata
2013 – 2016

CERTIFICATIONS

- ✓ LinkedIn: React.js
- ✓ LinkedIn: JavaScript
- ✓ LinkedIn: PHP
- ✓ LinkedIn: CSS
- ✓ LinkedIn: HTML

LANGUAGES

English · Professional
Hindi · Native

PROFESSIONAL SUMMARY

Full Stack Developer with **6+ years of software development experience** building scalable web applications using React.js, Next.js, Node.js, Express.js, MongoDB, and MySQL. Experienced in REST API architecture, JWT authentication, database schema design, AWS cloud deployment, CI/CD automation, and modern frontend engineering. Developing foundational knowledge in system design and distributed architecture patterns.

WORK EXPERIENCE

Software Engineer

Jun 2026 – Present

S & T Infra · Full-time

Kolkata, West Bengal, India · Remote

- Lead end-to-end development of scalable MERN applications, custom accounting platforms, and financial dashboards.
- Automated CI/CD deployment pipelines using AWS (EC2/S3) and GitHub Actions, cutting release cycles by **50%**.
- Engineered high-performance Next.js frontends and cross-platform React Native mobile utilities.

Freelance Full Stack Developer & Consultant

May 2026 – Present

Jigsphere Cloud · Part-Time / Freelance

Greater Kolkata Area · Remote

- Engineered a scalable recommerce platform (MobiSell) serving **100K+ monthly active users**, utilizing a Pnpm monorepo architecture with Next.js (frontend), React/Vite (admin), Node.js/Express (backend), and MongoDB.
- Designed a headless API-driven architecture that seamlessly integrates a custom React drag-and-drop visual CMS alongside a headless WordPress REST API for dynamic, high-performance content delivery.
- Architected and maintained the production infrastructure on AWS EC2, implementing automated CI/CD pipelines and PM2 process management to ensure reliable, zero-downtime deployments.

Full Stack Developer

Sep 2022 – Feb 2026

AVMDEVs LLC

Full-time (Jun 2024 – Feb 2026) | Contract / Project Engagement (Sep 2022 – May 2024)

Remote

- Built and maintained **20+ scalable backend REST APIs** using Node.js, Express, and PostgreSQL/MongoDB with 99.9% uptime.
- Developed custom **Dashboards** and eCommerce solutions using **Custom WordPress, Custom Shopify, and Shopify APIs**.
- Engineered responsive client-facing interfaces with React.js, Redux Toolkit, and Tailwind CSS.
- Developed headless CMS platforms with Next.js + Strapi, accelerating content publishing by **45%**.
- Automated business logic workflows via n8n, saving over **15 engineering hours weekly**.

KEY PROJECTS

react-smart-form

TypeScript · React · npm (MIT License)

Modern form library with reusable Input, Select, DatePicker components, built-in validation, and accessibility (a11y). Published on npm.

Eye-of-JWST

React · React Three Fiber · GSAP · NASA API

Interactive 3D virtual telescope experience inspired by NASA's James Webb Space Telescope with spatial camera animations.

WORK EXPERIENCE (CONTINUED)

Back End Developer Fracto · Full-time New Delhi, India · Remote - Developed robust server-side architecture and transactional APIs for core fintech operations. - Designed database schemas and integrated third-party payment & verification endpoints with sub-200ms latency. - Contributed to foundational architecture for Fracto's proprietary product platform.	Mar 2024 – May 2024
Back End Developer Ruptok Fintech · Full-time New Delhi, India · Remote - Managed and streamlined backend workflows for Gold Loan operations, reducing manual processing by 25%. - Developed and scaled CRM backend microservices, handling customer lifecycle data pipelines and automated alerts. - Spearheaded backend architecture and secure API integrations for Fracto.tech.	Jul 2023 – Feb 2024
Front-End Developer BetaCloud · Full-time Indore, Madhya Pradesh, India · Remote - Engineered React.js Single Page Applications (SPAs) with modular component architecture and responsive design. - Built internal mobile tooling with React Native and integrated Laravel REST endpoints for data sync. - Developed and optimized custom WordPress marketing platforms with fast load times.	Oct 2019 – Jan 2022
Freelance Full Stack Developer Fiverr Marketplace · Freelance Remote - Delivered 25+ full-stack client web solutions with custom PHP, Laravel, and WordPress implementations, achieving a 5-star rating. - Developed custom admin portals, payment gateways, and responsive themes for international clients.	Aug 2017 – Sep 2019
Web Developer Liyans Infotech · Full-time Kolkata · On-site Built responsive web applications and custom CMS dashboards using PHP, MySQL, JavaScript, HTML5, and CSS3.	Apr 2016 – Aug 2017

ADDITIONAL PROJECTS

BookStore-Backend & CryptoChart Node.js · Express · MongoDB · WebSocket High-concurrency bookstore management REST API and real-time crypto price tracking dashboard with live WebSocket feeds.
Apple-Clone & Agency Portfolios JavaScript · HTML5 · CSS3 High-precision UI clones and interactive business portfolios built with modern responsive frontend standards.