

KRISHNENDU BERA

FULL STACK DEVELOPER (NODE.JS | REACT)

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PROFESSIONAL SUMMARY

Full Stack Developer with 2+ years of experience building scalable applications using Node.js and React. Expertise in REST APIs, real-time systems, and payment integrations (Stripe, PayPal). Skilled in AWS, Docker, and microservices architecture with a strong focus on performance optimization and clean code.

TECHNICAL SKILLS

- Languages: JavaScript, TypeScript
- Backend: Node.js, Express.js, NestJS
- Frontend: React.js
- Database: MongoDB (NoSQL), PostgreSQL (Supabase)
- Real-time: WebSockets, Socket.IO
- Cloud & DevOps: AWS, Docker, CI/CD
- Messaging: Kafka, Redis
- Authentication: JWT, OAuth, RBAC
- Payments: Stripe, PayPal, In-App Purchases, Webhooks

PROFESSIONAL JOURNEY

MERN Stack Developer

Jun 2024 – Present

Webskitters Technology Solutions Pvt. Ltd | Kolkata

- Engineered 10+ scalable RESTful APIs using backend frameworks (Express.js, NestJS), reducing response time by 30% and supporting 10K+ daily requests through efficient caching and query optimization
- Architected live communication features (messaging, push notifications, collaborative tools) supporting 500+ concurrent connections with <100ms latency using event-driven architecture (Socket.IO, Redis pub/sub, Kafka queues)
- Implemented secure payment workflows for subscriptions, escrow holds, and one-time transactions using multiple gateways; automated reconciliation via webhook listeners, reducing manual intervention by 40%
- Decreased transaction failure rates by 25% by implementing idempotent webhook handlers, retry logic with exponential backoff, and comprehensive logging for audit trails
- Containerized applications with Docker and orchestrated deployments on AWS (EC2, S3, RDS) using GitHub Actions CI/CD, achieving 99.9% uptime and enabling zero-downtime releases
- Designed role-based access control (RBAC) system with JWT/OAuth 2.0 authentication, enforcing granular permissions across microservices and preventing unauthorized access attempts
- Led end-to-end delivery of 5+ production-grade applications from requirement gathering to post-launch monitoring, collaborating with cross-functional teams using Agile/Scrum methodologies

EDUCATION

Diploma in Computer Science & Engineering

- Nibedita Institute of Technology | 2021 – 2024

LANGUAGES

- English
- Hindi
- Bengali

TRAINING / INTERNSHIP

MERN Stack Developer Course | 2023

Webskitters Academy

- Completed intensive training in full-stack MERN development with real-world project exposure
- Built applications using React.js, Node.js, Express.js, and MongoDB
- Gained experience in REST APIs, authentication (JWT), and database design
- Successfully transitioned to full-time Backend Developer role

PROJECTS

Phixed (Service Marketplace Platform)

- Developed a real-time marketplace platform connecting job seekers and providers
- Implemented Stripe escrow payment system and proposal-based job workflow
- Built real-time job updates and notifications using WebSockets and Socket.IO

Copernicus (Online Assessment Platform)

- Built a global online exam system with real-time quizzes and automatic result generation
- Integrated live data analysis using Node.js and Python
- Implemented secure file uploads and full admin management system

Lookalike (AI Medical Assessment Application)

- Developed an AI-powered speech assessment system using OpenAI GPT and AWS Transcription
- Implemented intelligent scoring system (score >79 indicates normal speech health)
- Added features like activity tracking, AI image comparison, and daily reminders

Commercial Real Estate Platform

- Built a property marketplace with admin panel for listing, buying, and managing properties
- Integrated ROI and cash flow calculators with AI-powered insights

KEY ACHIEVEMENTS

- Successfully delivered 5+ end-to-end production applications
- Promoted from intern to full-time Backend Developer within one year
- Integrated Stripe and PayPal with webhook automation across multiple systems
- Built scalable real-time systems handling concurrent users efficiently
- Developed AI-powered applications using OpenAI GPT and AWS services
- Improved transaction reliability through advanced payment processing systems