

Abir Sarkar

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About Me

I'm a full-stack developer with hands-on experience across the Java, Python, and Node.js ecosystems. I specialize in building scalable REST APIs, crafting responsive front-ends. I've worked on everything from backend systems to user interfaces, with deployments across various cloud platforms. I take pride in writing clear and concise code, with a keen eye for detail and a commitment to maintaining high coding standards. Well-versed in design standards and user preferences, with an understanding of agile scrum and HR methodologies.

Experience

Freelance Software Developer, Remote

September 2024 - Present

- Delivered 15+ web applications using Java Spring Boot, React, and Node.js for diverse clients.
- Specialized in REST API development, database optimization, and cloud deployment solutions.

XLayr Technologies Private Limited, Software Engineer Intern, Kolkata, India

March 2024 - August 2024

- Built Java Spring Boot microservices for attendance system, improving efficiency by 35%.
- Developed Python Tornado APIs for loan app, processing 500+ daily transactions with 99.9% uptime.

Projects

AI-Powered Travel Planning Platform · Node.js · Express · React · MongoDB · Vercel · Google Gemini

ai-travel-planner.com 🔗

- Built AI trip planner integrating APIs and ML. Improved personalization and cost savings with scalable Node.js backend and React frontend.

Enterprise Real-Time Communication Platform · Java · Spring Boot · JWT · WebSocket · React · MongoDB

github.com/knightabir/chat-application 🔗

- Developed real-time chat system with secure messaging, Redis scaling, and sub-100ms latency using Java Spring Boot and WebSockets.

QuizMaster Pro - Assessment Platform · Java · Spring Boot · REST · JWT · Angular · MySQL

github.com/knightabir/quizmaster-pro 🔗

- Designed online exam platform with REST APIs, JWT security, and Angular dashboard. Automated deployment with Terraform and AWS CloudFormation.

Education

MCA Narula Institute of Technology, Kolkata, India

June 2024

- CGPA: 8.5/10.0

BCA Narula Institute of Technology, Kolkata, India

June 2021

- CGPA: 7.1/10.0

Technical Skills

Primary Technologies: Java (Spring Boot, Hibernate) · Python (Tornado) · JavaScript (Node.js, Express, React, Next.js)

Databases: MySQL · PostgreSQL · MongoDB · Redis · Hibernate · Mongoose

DevOps & Cloud: Docker · Kubernetes · AWS · Jenkins · GitHub Actions

Development Practices: RESTful API Design · Microservices · Test-Driven Development