

# NILOY RUDRA

## FULL-STACK DEVELOPER

### PROFESSIONAL SUMMARY

Strategic and analytical Full-Stack Developer and Freelancer with a rich 6+ years of experience shaping sophisticated solutions. Proficient across diverse technologies, including WordPress, Shopify, Node.js, .NET Core, React Native, Flutter, and Kotlin. Acclaimed Blockchain expert specializing in Dapp, Dex, Cex, Tokens, and Wallet development. Dual proficiency in SQL and NoSQL databases, coupled with an extensive background in Networking and Cybersecurity. A dedicated problem-solver committed to achieving intricate development objectives within stringent timelines, consistently delivering impeccable code, and showcasing a discerning eye for UX/UI design.

### WORK HISTORY

#### Full Stack Web Multiplatform Mobile App and Blockchain Developer, Aug 2021 - Current

Ali Muhammad - Ahom Ltd., Manchester, England, United Kingdom (Remote | Part-time)

- Pioneered cross-platform mobile app development using React Native, optimizing performance and reducing load times by 20%.
- Led Agile-based development, enhancing team productivity by 15% and decreasing project completion time by 10%.
- Implemented secure authentication mechanisms, fortifying app security and ensuring compliance with industry standards.
- Automated testing and deployment processes through CI/CD pipelines, minimizing errors and improving project stability.
- Protected and recovered the server from crashes by DoS and DDoS attacks during 2022 and increased the security up to 90% during that time.

#### Key Projects:

- **Hybrid Real-Estate App Project** Jan 2021 - Oct 2021

#### Key Responsibilities and Achievements:

- WordPress Rest-API Integration:
  - Implemented custom WordPress Rest-API endpoints for seamless CRUD operations, optimizing data flow and ensuring robust functionality.

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<https://niloyrudra.com/>



<https://github.com/niloyrudra/>

### PORTFOLIOS, PROFILES

- <https://niloyrudra.com/category/portfolio/>
- <https://www.fiverr.com/niloyrudra/>
- [www.linkedin.com/in/niloy-rudra-dev/](http://www.linkedin.com/in/niloy-rudra-dev/)

### SKILLS

#### Operating Systems:

- Linux Environments
- Windows

#### Front-end Development:

- HTML5
- CSS3
- JavaScript (ES6+)
- Object-Oriented Programming
- Typescript
- Responsive design
- CSS preprocessors (Sass, SCSS, Less)
- Front-end build tools (Vite, Webpack, Parcel, Gulp)

#### Frameworks & Libraries:

- React
- Vue
- jQuery
- Bootstrap
- Tailwind
- Material UI

- **UX/UI Enhancement:**
  - Led the development of an intuitive and visually engaging interface, resulting in a 20% increase in user engagement.
- **Performance Optimization:**
  - Executed code refactoring and leveraged React Native capabilities, achieving a 30% reduction in app load times for improved responsiveness.
- **Data Security and Integrity:**
  - Implemented encryption measures to safeguard sensitive information, ensuring robust data management practices.

This experience showcases expertise in React Native, Redux, and WordPress Rest-API integration, emphasizing performance optimization and data security.

- **Projects on Blockchain Technology** Jan 2022 - Current

- 1. Decentralized Cryptocurrency Exchange (DEX) Integration**

- Integrated DEX functionality into a multiplatform mobile app using React Native and Ethereum smart contracts.
- Developed a secure and user-friendly interface for trading various cryptocurrencies on the decentralized exchange.
- Implemented advanced order-matching algorithms and real-time market data updates to enhance the trading experience.

- 2. Layer-Zero Blockchain Protocol Development:**

- Spearheaded the development of a Layer-Zero blockchain protocol, focusing on scalability and interoperability.
- Designed and implemented consensus mechanisms and communication protocols for seamless integration with various blockchain networks.
- Achieved a 30% improvement in transaction throughput by optimizing block validation and propagation processes.

- 3. Centralized Cryptocurrency Exchange (CEX) Platform Enhancement:**

- Enhanced the functionality of a centralized cryptocurrency exchange platform with new features and performance optimizations.
- Integrated advanced trading tools, such as stop-loss orders and limit orders, to provide users with more control over their trades.
- Collaborated with security experts to implement robust security measures, ensuring the protection of user funds and sensitive information.

#### Hybrid Mobile App:

- React Native
- Flutter

#### Back-end Development:

- Server-side languages (PHP, JavaScript, Python, Kotlin, Ruby, C#)
- Server-side frameworks (Node.js, Next Js, SpringBoot, Blozor, Django, Flask, Express)
- RESTful API design
- Serverless architecture
- Runtime Environments: Node JS, PHP, .NET Core
- System Languages: Rust, C

#### Database Management:

- SQL databases (MySQL, PostgreSQL, SQLite)
- NoSQL databases (MongoDB, Firebase, etc.)
- Caching Database (Redis)
- Database modeling and design
- Database optimization

#### Version Control/Git:

- Git workflows (branching, merging, etc.)
- Git collaboration (pull requests, code reviews, etc.)

#### APIs (Application Programming Interfaces):

- Consuming third-party APIs
- GraphQL
- API versioning and documentation
- SOAP and RESTful Web Services

#### Web Architecture:

- Understanding of MVC architecture
- Microservices architecture
- Scalability and performance optimization

#### 4. Cross-Platform Mobile Wallet for Layer-Zero Tokens:

- Developed a secure cross-platform mobile wallet application to store and manage Layer-Zero tokens.
- Implemented end-to-end encryption for private key storage and secure transaction signing, prioritizing user data security.
- Enabled users to seamlessly interact with Layer-Zero applications while on the go, contributing to the ecosystem's mobile accessibility.

#### **Full Stack Developer and System Designer**, Feb 2021 - Current Md. Rashedul Islam - Skills Rider | Start-up , 42/1 Ahmed Nagar, Mirpur-01, Dhaka-1216

- End-to-End System Design:
  - Orchestrated scalable system design for the EdTech platform, ensuring seamless entrepreneur support.
- Cutting-Edge Development:
  - Led the development of responsive web applications with React.js and Node.js, enhancing user-friendly learning experiences.
- Data-Driven Decision Support:
  - Implemented analytics for actionable insights, empowering entrepreneurs with informed decision-making tools.
- LMS Integration for Learning Excellence:
  - Integrated a robust Learning Management System, enabling structured course delivery and personalized learning.
- Continuous Improvement Initiatives:
  - Implemented best practices, conducted code reviews, and embraced emerging technologies for ongoing platform enhancement.

This showcases my comprehensive contribution to the growth and success of entrepreneurs within an innovative EdTech start-up.

#### **Full Stack Developer**, Jun 2018 - Current Self-employed - Fiverr, Dhaka, Bangladesh

- Diverse Project Portfolio:
  - Completed over 165 projects spanning various domains, from real estate, and Edtech to telemetric functionalities and Blockchain to license verification systems.
- Technical Mastery:
  - Proficient in web and app development using cutting-edge technologies such as React Native, Flutter, and Kotlin, delivering high-quality solutions for diverse client needs.
- Entrepreneurial Mentorship:

#### Deployment and Hosting:

- Cloud platforms (AWS, Google Cloud)
- Containerization and orchestration (Docker, Kubernetes)
- Continuous Integration/Continuous Deployment (CI/CD) pipelines

#### Testing:

- Unit testing frameworks (Jest, JUnit)
- Integration testing tools (Selenium)
- Test-driven development (TDD)

#### Development Tools:

- Integrated Development Environments (IDEs | Android Studio)
- Text editors (Visual Studio Code)
- Command-line proficiency ( in Linux and Windows)
- Package managers (npm, yarn, brew, pip, Composer, Cargo)

#### Collaboration and Communication:

- Version control collaboration (GitHub, Bitbucket)
- Project management tools ( Jira, Trello)
- Effective communication and documentation skills

#### Security:

- Web security best practices
- Cross-Site Scripting (XSS) and Cross-Site Request Forgery (CSRF) prevention
- Authentication and authorization mechanisms

#### Other Skills:

- Knowledge of web performance optimization
- DevOps principles

- Provided comprehensive consulting, mentoring, and courses on Edtech platforms, empowering entrepreneurs with the knowledge to enhance their business strategies.
- Innovative App Solutions:
  - Engineered a multifunctional app for yoga training, Ayurveda treatments, and collaboration among trainers, teachers, instructors, and therapists, consolidating various wellness services into one accessible platform.
- WordPress Plugin Development:
  - Developed a popular neon sign generator WordPress plugin, enabling users to design and implement personalized neon signs effortlessly.
- Affiliate Marketing Integration:
  - Created custom AWS and eBay WordPress plugins, facilitating seamless affiliate marketing integration for enhanced revenue streams and user engagement.

These achievements reflect my commitment to technical excellence, versatile skill set, and ability to provide innovative solutions across a wide spectrum of freelance projects on Fiverr.

### **Full Stack Web Multiplatform Mobile App Developer, Jan 2022 – Nov 2023**

Kushal Roy - Joysan Yoga (Remote | Part-time), Joysan Yoga & Wellness Center, H #41, R #3A, Dhaka

- Unified Experience: Orchestrated the development of a multiplatform mobile app, seamlessly integrating web services to provide a unified experience for yoga training, online classes, and webinars.
- Effortless Booking System: Implemented an intuitive online booking system, resulting in a 30% increase in user engagement for classes, webinars, and events.
- Holistic Wellness Integration: Successfully integrated Ayurveda treatments, counseling, and therapy services, enhancing the app's scope for a comprehensive wellness experience.
- Optimized User Experience: Designed user-friendly interfaces, contributing to a 25% improvement in user satisfaction and retention rates.
- Scalable and Secure Solutions: Developed a scalable and secure backend to accommodate growth, ensuring data privacy and reliable system performance.

These achievements showcase my ability to enhance the digital presence of Joysan Yoga, providing users with a seamless and enriching wellness journey.

- Debugging and troubleshooting
- Continuous learning and staying updated with industry trends.
- Object-Oriented Programming
- Performance Optimization
- Software Quality Assurance
- Rapid Prototyping Integration

## **Full Stack WordPress Developer, 03/2022 - 12/2023**

Elenio, Germany (Remote | Part-time)

- **WooCommerce Excellence:**
  - Engineered a custom up-selling feature for variable products in the cart, boosting average order value by 25%.
  - Optimized WooCommerce pages, enhancing checkout and single-product experiences for improved user satisfaction.
- **Theme and Plugin Mastery:**
  - Executed precision theme and plugin customizations, elevating visual appeal and site functionality seamlessly.
- **Dynamic Product Presentation:**
  - Developed dynamic variable product pop-ups on shop and category pages, achieving a 20% increase in product visibility and click-through rates.
- **Optimization Expertise:**
  - Implemented advanced optimization techniques, resulting in a 30% reduction in page load times and enhanced overall site performance.
- **Client Collaboration and Training:**
  - Collaborated closely with clients, providing comprehensive training for efficient self-management of WooCommerce websites.

## **Internet Assessor, Jul 2015 - Jan 2016**

Lionbridge, Kurigram, Bangladesh (Remote | Part-time)

- **SEO Analysis & Content Relevance:**
  - Evaluated websites for SEO effectiveness and content relevance based on user-generated queries.
- **Scoring System Implementation:**
  - Applied a scoring system to rate website content alignment with search engine algorithms.
- **Query-Based Assessment:**
  - Conducted evaluations of websites in response to diverse user queries for improved search results.
- **Grading and Reporting:**
  - Assigned grades based on SEO and content performance, providing detailed reports for continuous improvement.
- **Adaptation to SEO Trends:**
  - Stayed current with evolving search engine algorithms and industry best practices to ensure assessments reflected the latest SEO trends.

Demonstrated expertise in enhancing website visibility and user satisfaction through precise SEO assessments.

## EDUCATION

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**MBS | Masters of Business Studies, Accounting, 10/2015**  
National University of Bangladesh - Kurigram, Bangladesh  
*Result: 1st-class with Distinction.*

## CERTIFICATIONS

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- Blockchain A-Z: Build a Blockchain, a Crypto + ChatGPT  
Feb. 25, 2022, to Oct, 14, 2022
- CS50's Introduction to Computer Science, HarvardX CS50x - Jan 26, 2023 to Dec 21, 2023
- CompTIA Security+ (SY0-701) Training - Feb 24, 2023 to Oct 19, 2023
- CompTIA Network+ (N10-008) Full Course & Practice Exam - Nov 16, 2023 to Jan, 2024
- Learn JavaScript: Full-Stack from Scratch  
Aug. 26, 2019 to Aug. 29, 2020
- Complete React Developer in 2023 (Redux, Hooks, GraphQL)  
Aug. 26, 2019 to May 27, 2020
- WooCommerce Theme Development: Advanced Course  
Jul. 07, 2020 to Jul. 12, 2020
- Master the Coding Interview: Data Structures + Algorithms  
May. 05, 2020 to May 08, 2020
- React Native - The Practical Guide  
May. 04, 2020 to Oct. 02, 2020

## LANGUAGES

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**Bengali:** Native language

<b>English:</b>	B2	<b>Hindi:</b>	B2
			
Upper intermediate		Upper intermediate	
<b>German:</b>	B1	<b>French:</b>	A2
			
Intermediate		Elementary	
<b>Arabic:</b>	B1	<b>Spanish:</b>	A2
			
Intermediate		Elementary	