

JONAYED AHMED RIDUAN

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EXPERIENCE

Software Engineer with 3+ years of experience building scalable web applications, HRMS platforms, and DevOps automation systems. Strong expertise in React.js, Next.js, Node.js, and system architecture, with hands-on experience refactoring legacy codebases, implementing RBAC, and designing multi-environment deployment systems.

EXPERIENCE

Software Engineer III

February 2022 - December 2024

Neural Semiconductor Ltd.

- **Led architecture and development** of the **Asset Management & Tracking System**, implementing scalable modular design and **Role-Based Access Control (RBAC)** to support growing operational complexity.
- Enhanced **Tafuri HRMS (Payroll, Leave & Attendance)** and implemented **real-time tracking, barcode scanning, and multi-step approval** workflows using React.js, improving operational efficiency by 30% and accelerating delivery cycles by 20%.
- Refactored a legacy React.js codebase into reusable CoreUI component architecture, improving maintainability, performance, and long-term scalability across the system.

Junior Frontend Developer

August 2021 – January 2022

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- Built and deployed responsive frontend interfaces for WE Immigration using React.js, HTML5, CSS3, and JavaScript, focusing on performance, accessibility, and seamless REST API integration.

PERSONEL PROJECTS

API Monitoring & Deployment System

- Architected a **centralized DevOps orchestration platform** supporting **multi-server and multi-environment deployments** with versioned artifacts and automated rollback strategy using Node.js, Next.js, MongoDB, and Docker, improving delivery efficiency by 35%.

Sufia Roots | Full-Stack E-commerce Platform (US-Based Business)

- Designed and developed a full-stack e-commerce system using Next.js (SSR), Node.js, Express.js, and MongoDB with secure **Stripe payment integration, JWT authentication, and NextAuth session management** to support scalable and secure user transactions.
- Built a modular admin operations platform enabling product lifecycle management, **order and refund workflows, inventory tracking, delivery coordination, marketing email automation, analytics dashboards, and role-based access control** structured for business scalability.

SKILLS

- **Programming:** Javascript, Python, Java
- **Frontend:** React.js, Next.js, Redux, Context API, HTML5, CSS3, Tailwind, Bootstrap
- **Backend:** Node.js, Express.js
- **Database:** Mongo, MySQL, PostgreSQL
- **DevOps & Tools:** Docker, Git, Postman, Vercel, Chrome DevTools
- **API & Integration:** RESTful APIs, JWT Authentication, JSON, WebSocket/SSE
- **Methodologies:** Quality Assurance, Agile, Scrum, Jira, Pair Programming
- **Languages:** Bangla (Native), English (Professional)

EDUCATION

Bachelor of Science in Computer Science & Engineering

January 2017 - June 2021

BRAC University, Dhaka, Bangladesh