TARIQUL ISLAM

SOFTWARE ENGINEER | NODE.JS | EXPRESS.JS | REACT.JS | NEXT.JS | REDUX | TAILWIND CSS | AWS | BLOCKCHAIN ENTHUSIAST

📍 Nikunja 2, Dhaka, Bangladesh   📞 +8801622-908030

✉️ mdrezvee@gmail.com ↗   🔗 Tariqul (Rezvee) Islam ↗

🐙 rezvee99 ↗   🌐 www.rezvee.com ↗

SUMMARY

I am a Software Engineer with expertise in full-stack development, microservices, and cloud computing. Skilled in Node.js, React.js, Next.js, Redux, Tailwind CSS, and AWS, I specialize in building scalable and efficient software solutions.

WORK EXPERIENCE

Software Engineer, Code 19   **April 2022- Present**
- Building agriculture-focused inventory management and ERP software to optimize supply chain operations and resource planning.
- Leading scalable app development with Node.js, React.js, Next.js, Redux, Zustand, and Tailwind CSS.
- Developing robust backend services with Node.js & Express.js.
- Architecting microservices for modularity and maintainability.
- Designing RESTful APIs and integrating AWS (S3, SNS, EC2).
- Customizing WordPress themes/plugins and deploying AI models with Flask.
- Utilizing Azure Blob Storage for cloud-based data solutions.

Full-Stack Developer (Remote Project Basis), Barakah Tech Zone   **December 2021 – Present**
- Building UIs with React.js, Redux, Zustand, Tailwind CSS, Next.js
- Integrating third-party APIs and secure authentication
- Implementing Twilio video recording
- Integrating Google Calendar for scheduling
- Designing components with Vue.js

Junior WordPress Designer, Elegance IT   **March 2021 - August 2021**
- Customizing WordPress themes and plugins to meet client-specific requirements.
- Designing and developing responsive frontend interfaces with a focus on UX/UI.

Intern - WordPress Developer, WooFX   **November 2020 - Feb 2021**
- Assisted in WordPress theme development, frontend design, and plugin development.
- Improved website performance and implemented custom features.

EDUCATION

Master of Science, Computer Science and Engineering   **2023 - Present**
Jahangirnagar University, Dhaka, Bangladesh
- Current CGPA 3.56/4.00

Bachelors of Science, Computer Science and Engineering   **2016 - 2020**
Daffodil International University, Dhaka, Bangladesh
- CGPA 3.70/4.00
- **DIU Robotics Club:** Work with Mars Rover Team and developed robotic arms, autonomous navigation, and mechanical structures; Strengthened problem-solving and interdisciplinary collaboration skills
- Worked on embedded systems and system automation

Higher Secondary Certificate   **2015**
President Prof. Dr. Iajuddin Ahmed Residential Model School & College, Munshiganj, Dhaka
- CGPA: 4.58/5.00

Secondary School Certificate   **2013**
Baluakandi Dr. Abdul Gaffer School & College, Munshiganj, Dhaka
- CGPA: 4.25/5.00

PROJECTS

Fit Journey and Fit Journey Admin

Key Features:
- Automated Treatment Pack Renewals: Transition Packs—including medication, treatment plans, and personal details—are renewed automatically every three months, eliminating manual form filling and appointment chasing.
- Prescription Management: View and download digital prescriptions instantly or opt for early paper-prescription delivery to ensure uninterrupted access to hormones.
- Integrated Health Tracking: Monitor blood-test results, schedule upcoming tests, and receive alerts when reports are ready—all from your dashboard.
- Secure Communications: Message clinicians directly, book sessions, and access counselling notes in a single, HIPAA-compliant platform.

Role: I led both the front-end implementation and complete back-end development of The Hub, crafting responsive dashboards, integrating interactive data visualizations for treatment timelines, and building automated reminder workflows to boost patient engagement and adherence. I also implemented key features—such as a booking management system integrated with Google Calendar—to streamline appointment scheduling.

Matchable Candidate and Recruiter

Key Features:
- Instantly match candidates to job postings using AI.
- Easy and fast job creation with AI assistance.
- Tailored job and candidate recommendations for users.
- Optimized to match developer roles with relevant skill sets.
- Immediate feedback and suggestions after posting or searching.

Role: I was responsible for building intuitive and responsive user interfaces, integrating AI-powered search and filtering features, and ensuring a seamless user experience for both recruiters and candidates.

Industrial Deep Learning System for Textile Defect Localization

Key Features:
- Built a Flask-based inference server to serve AI models (YOLOv8 and Siamese networks) for garment defect detection and dimensional accuracy verification across factory lines.
- Developed a Node.js middleware to handle frontend communication, receive uploaded garment images, forward them to the Flask server, and return processed results and annotated images.
- Integrated AWS S3 for storing both input and result images, enabling traceable QA records and visual comparison.
- Designed a company-based and role-based AI access control system to manage permissions for factory operators, line supervisors, and QA managers.
- Tailored job and candidate recommendations for users.
- Configured CI/CD pipelines in GitHub Actions to automate testing, security linting, container builds, and blue–green deployments to AWS ECS.

Role: I designed the system architecture and developed both the Flask-based AI model server and the Node.js backend middleware. I implemented secure API communication between the frontend and AI services, integrated S3 for image storage, and developed role-based access control for model usage. I also led the deployment pipeline setup and optimization of model inference for industrial-scale performance.

NLP-Powered Bangla News Summarization Engine

Key Features:
- Developed a robust web-scraping service using Python and Scrapy to aggregate articles from top Bangla news sites, handling pagination, rate-limits, and dynamic content loading.
- Built RESTful APIs for article ingestion, summary generation, and user feedback loops, secured.
- Prototyped initial summarization with a hosted LLM API, designing real-time data flows and manual quality-assurance interfaces.
- Tailored job and candidate recommendations for users.
- Configured CI/CD pipelines in GitHub Actions to automate testing, security linting, container builds, and blue–green deployments to AWS ECS.

Role: I designed the system architecture, developed a scalable backend with Node.js and built secure APIs and a custom web scraper. I also set up CI/CD pipelines, blue–green deployments on AWS ECS, and integrated ELK and Prometheus/Grafana for monitoring and logging.

Filter Lotto

Key Features:
- AI-powered lottery number generation
- Country and lottery-specific game selection
- Customizable lines (5 to 35) for number combinations
- Regular updates based on past draw data

Role: I focused on developing responsive and engaging user interfaces that facilitate easy navigation and interaction with these features, ensuring a seamless experience across various devices.

Agronochain ERP

Key Features:
- Product Stock & Sales Management
- Post-Harvest Services & Market Access
- Financial Support for Farmers
- AI Base product quality check.

Role: Developed RESTful APIs, integrated MongoDB for data storage, and utilized Node.js & Express.js for scalable backend solutions. And some frontend design. Depoly ML learing applicaiotion and connect in backend.

Invotrack – Automatic Tracking System

Key Features:
- Real-time inventory tracking with RFID technology
- Smart tagging of items for instant data capture
- Accurate product location within the warehouse
- Vendor & product management

Role: I was responsible for developing both frontend and backend components of the system, integrating real-time UHF tracking data, building APIs for inventory operations.

Agronochain

Role: Designed and developed a responsive WordPress website for AgronoChain, focusing on user-friendly navigation and modern design aesthetics.

TECHNICAL SKILLS

Development & Programming

- **Frontend:** React.js, Next.js, Redux, Zustand, React-query, Tailwind CSS, Stripe, MaterialUI, Twilio, TypeScript, jQuery, Ant Design, HTML, CSS, Sass, Bootstrap.
- **Backend:** Node.js, Typescript, Express.js, Stripe, OAuth 2.0, Google Calender, cron, Python, Flask (Basic), PyTorch, AWS S3, Azure Blob Storage.
- **Database:** MySQL, MongoDB, Mongoose, Firebase Realtime Database, GraphQL(Basic)
- **WordPress Design:** WordPress Customization, Flatsome, Avada Themes, WooCommerce, Stripe.

Systems & Infrastructure

- **DevOps & Cloud:** Linux Server Setup(EC2), VPC Deployment, VPC Networking, SSH, Bash Scripting, SSL Setup, AWS S3 Bucket, Azure Blob Storage, Deploy ML Application.
- **System Administration:** Windows, macOS, Linux, Linux Server.

Embedded System & IoT

- **Hardware & Simulation:** UHF Tag, UHF Reader, Arduino, NodeMCU (ESP8266), RFID, GSM, GPS Tracking, Sensors (Gyro, Smoke, Temperature, Flame, LDR, Laser Light)

PARTICIPATIONS & ACHIEVEMENTS

Participant   **2019**
IEEE YESIST12 2019, Stamford International University, Thailand.

1st Runner-Up   **2018**
Macro-Innovators IEEE SS12 2018, IEEE Student Branch KUET, Bangladesh.

Finalist   **2018**
SS12 Project Competition & Maker Fair 2018, NSBM Green University, Sri Lanka.

Participant   **2017**
DUET-TECHFEST 2017, DUET, Dhaka, Bangladesh.

ADDITIONAL INFORMATION

- **Personal Skills:** Creativity, Teamwork, Leadership
- **Languages:** English, Bengali
- **Hobbies:** Chess, Cricket