

SUMMARY

Frontend developer with a proven track record of architecting high-performance web solutions using cutting-edge technologies. Expertise in **React.js** and modern **JavaScript (ES6+)** ecosystems, complemented by full-stack awareness through experience with **Node.js** and **RESTful API integration**. Specialized in transforming complex design systems into responsive, accessibility-focused interfaces that drive user engagement. Combines technical mastery of **component-based architecture** and **performance optimization** with a strategic approach to cross-functional collaboration. Continuously advancing skills in emerging frameworks while maintaining rigorous adherence to web standards and scalable coding practices.

TECHNICAL SKILLS

- **Programming Languages:** JavaScript(ES6+), TypeScript, PHP, C#.
- **Front-End:** HTML, CSS, Bootstrap, Tailwind CSS, GSAP, React.js, Vue.js.
- **State Management:** Redux, Context API.
- **Back-End:** Node.js, Express.js, PHP(Laravel).
- **Databases:** Firebase, MongoDB, MySQL.
- **Version Control:** Git, GitHub.
- **Additional Skills:** RESTful APIs, JWT Authentication, Responsive Design, Cross-Browser Compatibility, and Performance Optimization.

PROFESSIONAL EXPERIENCE

Junior Frontend Developer | Aveenir IT (September 2024 – Present)

- **Design and implementation of enterprise-grade** single-page applications (SPAs) using React.js, architecting scalable state management systems through strategic adoption of React Hooks and Context API, reducing component redundancy by 30% while enhancing maintainability.
- **Engineered client-side routing solutions** with React Router, integrating dynamic route loading and code splitting to reduce initial load times by 20% and improve Core Web Vitals
- **SSR implementation** with Next.js, elevating SEO rankings by 15% and achieving sub-2s Time-to-Interactive (TTI) across 95% of page loads.

Junior Frontend Developer(Contractual) | VAST (October 2023 – September 2024)

- **Delivered pixel-perfect UI** by collaborating with UX/UI teams to translate Figma design systems into production-ready components.
- **Optimized asynchronous workflows** via Redux T reducing API fetch latency by 30% while implementing global error boundaries for resilient error handling.

SOME SELECTED PROJECTS

Limit Design Ltd.bd | [Live Demo](#)

(Architectural Showcase Web Application)

Tech Stack: React.js, React Router, Firebase (Authentication, Firestore), Webpack, SCSS, Bootstrap.

- **Engineered an architectural portfolio** featuring dynamic project galleries with lazy-loaded high-resolution imagery (WebP format), reducing initial page load times by 40%.
- **Implemented real-time content updates** via Firebase Firestore document listeners, enabling instant client-side rendering of new projects without page refreshes.
- **Delivered cross-device responsiveness** with mobile-first Bootstrap grids and CSS media queries, maintaining >90 Lighthouse scores across all breakpoints.

Musafirs Den | [Live Demo](#)

(Full-Stack Travel E-Commerce Platform)

Tech Stack: React.js, Redux Toolkit, Node.js, Express.js, MongoDB, Bcrypt, JWT, Axios, Multer JS.

- **Optimized global state management** using Redux Toolkit with RTK Query, reducing API call redundancy by 45%.
- **Scaled backend infrastructure** with MongoDB document modeling (Mongoose ODM) and Express.js middleware, enabling CRUD operations.
- **Designed scalable media upload pipelines** using Multer.js middleware, processing image uploads (products and review images) with file validation.
- **Designed secure authentication protocols** implementing JWT coupled with bcrypt password hashing (12-round salt) to fortify credential storage against rainbow table and brute-force attacks.

Porua AI | [Live Demo](#)

(AI-Powered Document Intelligence Platform)

Tech Stack: Next.js, Tailwind CSS, ShadCn, Gemini Pro, LangChain, Clerk, Framer Motion, Convex.

- **Engineered a document processing pipeline** leveraging Gemini for semantic chunking and vector embedding generation, achieving 82% accuracy in multi-page PDF entity extraction.
- **Architected server-side rendering (SSR)** workflows with Next.js, optimizing SEO through dynamic meta tagging.
- **Implemented secure auth flows** with Clerk integration and role-based access control (RBAC) with JWT encryption and refresh token rotation.
- **Optimized AI inference** through LangChain's document splitting/merging algorithms and Convex vector search indexing for context-aware response generation.

EDUCATION

- **Bachelor of Science in Electronics & Communication Engineering**

BRAC University | Dhaka, Bangladesh

Relevant Coursework: Embedded Systems, Data Structures & Algorithms, Numeric Analysis, Digital Signal Processing.

- **Higher Secondary Certificate (HSC) – Science**

Dhaka College | Dhaka, Bangladesh

- **Secondary School Certificate (SSC) – Science**

Mohammadpur Government High School | Dhaka, Bangladesh

ADDITIONAL EXPERIENCE

Low-Cost Spin Coater Project

- **Designed and simulated** digital control circuits using **Proteus** to achieve uniform thin-film deposition (<5% thickness variance) for semiconductor applications.
- **Engineered a cost-optimized prototype** with Arduino-based closed-loop feedback for real-time RPM calibration.

Satellite Training Kit Development | LaSSET, BRAC University

- **Engineered embedded firmware** in C++ for real-time sensor data storage and transmission.
- **Developed modular testing** frameworks for OBC validation

IOT Automation Project | BRAC University

- **Designed industrial safety monitoring system** using ESP32 microcontrollers and MQTT protocol, reducing equipment downtime by 25% through real-time anomaly detection.
- **Built remote control dashboard** with Blynk IoT, enabling wireless actuator management (relays, servos) and SMS alerts via GSM modules, cutting emergency response time by 40%.