

Lal Bahadur Budhachhetri

Full-Stack Web & Mobile Developer

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Summary

Full Stack Developer with **4+ years** of experience building secure, scalable web and mobile applications using the **MERN stack** and **React Native**. Proficient in **JavaScript/TypeScript**, Express.js, and **RESTful API** design, with expertise in real-time data handling via **WebSockets**. Skilled in relational and NoSQL databases, using ORMs like **Prisma** and Sequelize. Led initiatives migrating monolithic systems to **modular architectures**, improving stability and performance. Focused on clean, maintainable code, unit testing, and **Agile collaboration**.

Skills

Frontend:	HTML, CSS, JavaScript, TypeScript, React (SSR & SSG), Angular, Redux, Zustand, React Query, Tailwind CSS, Bootstrap, Ant Design, Mantine, PrimeNG
Backend:	Node.js, Express.js, Prisma, Sequelize, Mongoose, MongoDB, MySQL, PostgreSQL
Mobile Development:	React Native(Expo), React Navigation, Reanimated, NativeBase, React Native Paper
API Integration:	REST API, GraphQL API, gRPC
Security:	JWT, CryptoJS, Password Hashing (bcrypt, argon2), Validation (Yup, Joi, Zod), Input Sanitization, CSP, CORS, Helmet, HSTS, csurf, Rate Limiting, Interceptors, ESLint, Husky
Performance Optimization:	SSR/SSG, Code Splitting, Tree Shaking, Lazy Loading, Image Optimization, Preloading, Prefetching, CDN, HTTP Caching, Gzip/Brotli, Redis Caching, Pagination, DB Indexing, Connection Pooling, Memoization, Debouncing, Throttling, Parallel Processing, Batch Processing

Experience

MERN & Mobile Developer | imark Pvt. Ltd.

Sep 2023 – Present

- Engineered secure, scalable fintech platforms using React Native, Node.js, and MongoDB, enhancing digital transaction workflows and supporting multi-device compatibility across global markets.
- Boosted system reliability by 30% through scalable architecture and close collaboration with product, design, and security teams in high-traffic environments.
- Reduced deployment time by 40% and improved build reliability by 50% by implementing CI/CD pipelines with Azure DevOps, Docker, and automated testing.
- Strengthened application security with JWT authentication, role-based access control, and input sanitization, ensuring compliance with industry standards and preventing data breaches.

- Boosted user engagement by 30% through responsive, cross-browser UI/UX design using HTML5, CSS3, and React.js, ensuring accessibility and consistent performance across platforms.
 - Reduced server response times by 30% by optimizing frontend-backend communication and implementing dynamic data-fetching strategies for high-volume, real-time interactions.
 - Delivered 10+ scalable web applications, including dashboards and automation tools, driving rapid prototyping, stakeholder alignment, and long-term product growth.
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Education

Bachelor of Computer Engineering | NAST*2016 – 2021*

Key Projects

- **iPay – Scalable Fintech App (10K+ Users)** Built a secure mobile app using React Native CLI, Expo, and native bridge (.aar) integration. Engineered backend with Next.js, Prisma ORM, MySQL, and Dockerized deployment. Implemented encrypted JWT authentication and efficient data fetching via Axios and React Query.
- **MMS – Merchant Management System (1,000+ Merchants)** Architected a modular monolith system for scalable deployment across web and mobile platforms. Led development of a merchant-facing Angular 19 portal and an Expo-based mobile app, integrating secure JWT authentication with Google Authenticator 2FA. Added robust unit and integration testing using React Testing Library and MSW (Mock Service Worker) to ensure API reliability and UI performance. Streamlined multi-team workflows and third-party API integrations for consistent usability and security.
- **fewaAB - Agency Banking Platform (Serving 50K+ Customers)** Built secure backend services with, Sequelize ORM, MSSQL, and Redis, integrating security-focused middleware (Helmet, Express-rate-limit, Compression). Enabled real-time transactions via a web APK integrated with Fonepay, expanding access to financial services in rural regions. Established robust logging with Winston and rotating files, ensuring maintainability and compliance with banking standards. Collaborated cross-functionally to deliver a regulatory-aligned solution for 50K+ agents and customers.
- **POD - Visa Card Customization Platform (50K+ End-Users)** Architected a full-stack web platform with Tailwind CSS, and 2D Canvas, enabling real-time visual customization of Visa cards. Integrated third-party Bank APIs for secure KYC, OTP, and account verification. Developed role-based dashboards for bank personnel to manage customization workflows. Utilized Prisma ORM and MySQL for efficient data operations and Zustand for global state management across sessions.
- **fewaSupport – Merchant Support Platform (Serving 10K+ Merchants)** Developed a scalable mobile support application using Expo. Integrated OpenStreetMap for real-time location tracking and Expo Updates for seamless OTA deployments. Utilized Axios interceptors for secure API communication and Zustand for efficient global state management. Implemented service workers and Workbox for offline capabilities, with AsyncStorage, React Native Paper, and React Native Reanimated to manage operational records and support requests. Designed a multi-state workflow (pending, retrieval, resolved) to streamline merchant issue handling with responsive haptics and intuitive UI components.