

Lal Bahadur Budhachhetri

Full-Stack Frontend & Mobile Developer | Fintech Solutions

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Professional Summary

Experienced Frontend Developer with nearly 4 of expertise in designing and implementing innovative web and mobile applications within the fintech sector. Proficient in the MERN stack and React Native, with a strong track record of delivering scalable solutions—from content-based applications to complex payment systems, including EMV smart cards and Fonepay integrations. Adept at leveraging technical acumen and a collaborative approach to drive impactful projects, optimize user experiences, and lead high-performing development teams.

Technical Skills

- ◆ **Frameworks & Libraries:** React, Next.js, Redux, React Query, Zustand, Prisma, Angular
 - ◆ **Mobile App Development:** React Native, Expo
 - ◆ **Programming Languages:** JavaScript, TypeScript, HTML, CSS
 - ◆ **UI/UX Design:** Figma, React Native Paper, Bootstrap, Ant Design, Tailwind CSS, SASS, Mantine, primeng
 - ◆ **Databases:** MongoDB, MySQL
 - ◆ **APIs:** RESTful APIs, GraphQL, Axios, SWR
 - ◆ **Testing Frameworks:** React Testing Library, Jest, MSW
 - ◆ **Agile Methodologies:** Scrum, Kanban
 - ◆ **Version Control:** Git (GitHub, GitLab)
 - ◆ **Operating Systems:** Windows, Linux
 - ◆ **Cloud Platforms & CI/CD:** Azure, Docker (Containerization), App Center, EAS
 - ◆ **Performance & Optimization:** Vite, ReactDevTools, Lazy Loading, HOC, Service Workers
 - ◆ **Security:** JWT, Sentry, React Native Keychain, ProGuard, CryptoJs
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Professional Experience

MERN & Mobile Application Developer

Imark Private Limited – Dillibazar Kathmandu

Sep 2023 – Present

- ◆ **Integrated secure payment solutions** for fintech clients, optimizing digital transaction workflows and enhancing the overall payment experience for over 10 thousands end-users.
- ◆ **Led a team** in integrating APIs from multiple payment providers, including Fonepay, Nepalpay, and Tap & Swipe card payments, ensuring seamless transactions and robust security protocols.
- ◆ **Collaborated closely with product, design, and security teams** to define and prioritize features, focusing on security, scalability, and performance in high-traffic environments, resulting in a 30% increase in system reliability.

- ◆ **Developed and maintained responsive, React-based applications** tailored to fintech clients, emphasizing a smooth user experience, high accessibility standards, and intuitive design, which led to a 25% increase in user satisfaction.
- ◆ **Implemented automated testing frameworks and deployment pipelines** using Azure DevOps and Docker, resulting in a 40% reduction in deployment time and a 50% increase in build reliability.
- ◆ **Mentored and guided junior developers** through structured code reviews and hands-on training, fostering a culture of best practices, high code quality, and continuous learning within the team, leading to a 20% improvement in team productivity.

Designer & Web Developer

Neputertech Private Limited – Balkumari Kathmandu

Aug 2021 – Sep 2023

- ◆ **Designed and developed sophisticated user interfaces** with 100% cross-browser compatibility, significantly boosting user engagement by 30% and ensuring a seamless experience across devices.
 - ◆ **Leveraged React.js and advanced JavaScript libraries** to create highly interactive applications, achieving a 30% reduction in server response times and improving overall application responsiveness by 15%.
 - ◆ **Integrated multiple third-party APIs and services**, enhancing functionality, boosting performance by 10%, and providing a robust user experience.
 - ◆ **Collaborated closely with UX/UI designers** to translate intricate designs into responsive and functional mobile interfaces, prioritizing user experience and design fidelity, resulting in a 25% increase in user satisfaction.
 - ◆ **Maintained detailed documentation for codebases and development processes**, refining methodologies with industry insights, which led to a 15% improvement in development efficiency.
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Education

Bachelor of Computer Engineering

National Academy of Science and Technology – Pokhara University

2016 – 2021

Some Projects

- ◆ **fewaMMS:** Developed a Merchant Management System using Angular with standalone components. Key features include:
 - ✓ Streamlined merchant registration process with application processing, document verification, risk validation, and onboarding.
 - ✓ Comprehensive merchant program management, including transaction plans, fee structures, and settlement cycles.
 - ✓ Efficient monitoring and maintenance of merchants, chains, outlets, and POS terminals.

- ✓ Result: Enhanced operational efficiency and compliance monitoring, reducing onboarding time by 30%.
- ◆ **fewaPOS:** Developed a POS terminal management system using Angular with standalone components. Key features include:
 - ✓ Streamlined purchase and sales tracking
 - ✓ Real-time inventory control
 - ✓ Efficient stock management
 - ✓ Result: Optimized retail operations and improved inventory accuracy by 20%
- ◆ **fewaPay:** Created a POS application with a custom API for transaction management. Key features include:
 - ✓ Automated QR reconciliation
 - ✓ In-app receipt printing
 - ✓ Real-time transaction tracking
 - ✓ Advanced native integration using the .arr file and React Native module
 - ✓ Result: Enhanced transaction efficiency and reduced processing time by 30%
- ◆ **fewaSupport:** Led the development of a business application with the following features:
 - ✓ Real-time terminal updates
 - ✓ Advanced POS system
 - ✓ Scalable architecture using Expo and EAS
 - ✓ Accessories Management module for efficient inventory tracking
 - ✓ Result: Improved operational efficiency and reduced downtime by 25%
- ◆ **fewaPOD:** Developed a full-stack solution for on-demand Visa card printing using Next.js and Prisma. Key features include:
 - ✓ Integration with third-party APIs for account verification
 - ✓ HmacSHA512 for SMS API security
 - ✓ 2D Canvas for card customization
 - ✓ Result: Streamlined card printing process and enhanced security measures
- ◆ **Broadbiography:** Constructed a content website with the following features:
 - ✓ Secure user authentication protocols
 - ✓ SEO best practices
 - ✓ Result: Increased organic traffic by over 1500 unique visitors monthly during testing phases
- ◆ **fewaMerchant:** Created a versatile web, PWA, and mobile application for merchants. Key features include:
 - ✓ Efficient transaction analysis
 - ✓ Settlement processes
 - ✓ Support requests
 - ✓ Result: Enhanced operational efficiency and decision-making through insightful analytics
- ◆ **BinLearn:** Developed an innovative e-learning platform similar to Udemy. Key features include:
 - ✓ Diverse range of programming and marketing courses
 - ✓ Seamless payment gateway integration
 - ✓ Result: Facilitated online course sales and improved user experience