

KAMAN LIMBU

Software Engineer

Bhadrapur-01, Jhapa, Nepal | +977-9817933386 | kamanhangshrong@gmail.com
linkedin.com/in/kamanlimbu | kamanlimbu.com.np

PROFESSIONAL SUMMARY

Software Engineer with 3+ years of experience building scalable web, mobile, and AI-powered applications across healthcare domains. Proficient in React.js, React Native, Angular, Flutter, Java, Spring Boot, Node.js, and Amazon Web Services. Strong background in application architecture, REST API development, state management, performance optimization, cloud services, AI/ML integration, and design patterns. Experienced in developing enterprise applications with a focus on scalability, maintainability, performance, and user experience.

EDUCATION

BSc (Hons) Computing

Feb 2022 – Dec 2024

Itahari International College, Sundarharaicha, Nepal

AAA Scholarship Recipient for Academic, Attitude and Attendance Excellence

PROFESSIONAL EXPERIENCE

Software Development Engineer II

June 2026 – Present

IQVIA (Cedar Gate Technologies), Lalitpur, Nepal (Full-time)

- Develop and enhance healthcare analytics applications supporting U.S. healthcare and health insurance clients.
- Build analytics dashboards and data-driven workflows supporting health insurance processes and decision-making.
- Develop enterprise applications using React.js, AngularJS, Java, and Grails.
- Worked with AWS services including Amazon S3, Amazon SQS, and Amazon CloudWatch to support application infrastructure and data workflows.
- Developed software in an environment requiring adherence to healthcare data security and HIPAA requirements.

Junior Software Engineer

March 2024 – June 2026

Vertex Special Technology, Sanepa, Lalitpur, Nepal (Full-time)

- Developed enterprise and client-facing applications spanning AI-powered procurement, healthcare screening, and HR management domains.
- Worked across the full stack using React.js, React Native, Angular, and Kotlin to deliver production features for multiple concurrent projects.
- Collaborated with design and product teams, leveraging Figma MCP Server and Cursor IDE to accelerate UI development.
- Applied design patterns (Observer, Facade) and reactive programming (RxJS) to manage complex application state and data flows.

Freelance Developer

January 2023 – March 2024

Kafals Multipurpose Company Pvt. Ltd., Itahari, Nepal (Part-time)

- Developed and maintained mobile and backend applications across property management and healthcare domains.
- Built cross-platform mobile applications using Flutter and developed backend services using Node.js and Spring Boot.
- Designed and integrated RESTful APIs to support authentication, data management, multimedia content, and application workflows.
- Implemented application architecture and state management patterns including BLoC and MVC to improve maintainability and separation of concerns.

PROJECTS

Healthcare Benefits Analytics

IQVIA (Cedar Gate Technologies)

ReactJs, AngularJs, Grails, Java, AWS, MySQL

- Developed advanced healthcare analytics dashboards to visualize healthcare costs, utilization, member trends, and key business metrics.
- Designed and developed reusable dashboard widgets and interactive visualization components for healthcare reporting and analytics.
- Built interactive reports with drill-down, sorting, filtering, advanced filtering capabilities and dynamic data exploration capabilities.
- Developed configurable dashboard components to support different reporting requirements and business use cases.
- Integrated backend data sources and APIs with dashboard components to deliver accurate and dynamically updated analytics.
- Optimized complex queries and dashboard data processing to improve report performance and response times.

- Integrated an AI-powered procurement agent with Microsoft Teams using the Microsoft Teams SDK, enabling users to interact with procurement workflows directly within the collaboration platform.
- Implemented TanStack Query caching and data-fetching strategies to improve performance and responsiveness across chat-based workflows.
- Developed technical forms and bidder application forms using React, `useReducer`, and Zod, providing type-safe validation across 8+ procurement workflows.
- Built reusable custom React hooks to encapsulate form logic, dynamic field generation, and multi-step bidder registration workflows.
- Containerized the application using Docker to provide consistent and reproducible development and deployment environments.
- Accelerated UI development by integrating Figma MCP Server and Cursor IDE into the development workflow.

- Improved image-processing performance by approximately **95%** by integrating a quantized RCNN computer vision model through a Kotlin-based React Native Turbo Module.
- Developed real-time brightness detection using React Native Vision Camera frame processors to improve image-capture quality for anemia screening.
- Integrated Redux Toolkit for centralized state management across the mobile application.
- Implemented RxJS to manage complex demographic data and reactive data streams within the web application.
- Applied the Observer design pattern through RxJS for event-driven data handling and reactive application workflows.

CERTIFICATIONS

Article/Publications

Behind the “Request Ride” Button?	Medium
Designing a Scalable Ride-Sharing System: From Ride Request to Driver Assignment (HLD)	Medium
Integrating AI Model in React Native using React Turbo Module	Medium