

Umesh Subba Limbu

Software engineer with 9+ years of experience in development and leadership roles, passionate about learning, contributing, and driving impactful solutions in Information Technology.

EXPERIENCE

Fusemachines Nepal Pvt. Ltd., Kathmandu – Assistant Technology Manager/Project Lead

Jan 2024 - PRESENT

- Leading cross-functional teams to manage ongoing project planning, execution, and delivery.
- Architecting features, implementing HIPAA, GDPR-compliant solutions, and overseeing technical documentation and system design.
- Providing technical guidance, maintaining code quality, and mentoring team members to address challenges and ensure project success.

Fusemachines Nepal Pvt. Ltd., Kathmandu – Assistant Technology Manager

Jan 2022 - Dec 2023

- Led engineering teams through hiring, training, and project execution, including tech stack decisions and team formation.
- Drove product development from inception to MVP launch while establishing technology roadmaps aligned with business objectives.
- Conducted research on emerging technologies to assess and implement feasibility.

Fusemachines Nepal Pvt. Ltd., Kathmandu – Senior Software Engineer/Team Lead

Jan 2021 - Dec 2021

- Managed a team of 10+ engineers, fostering a culture of quality and efficiency.
- Led Agile release cycles from sprint planning to production monitoring.
- Delivered 30+ releases, resolving 200+ client-reported issues.

TECHNICAL SKILLS

- JS Frameworks: NextJs, NestJs
- Programming Languages: Java, Typescript, Python
- Mobile: React Native
- Amazon Web Services: SQS, S3, SES, RDS, EB, Codepipeline, Cognito, ECR, Lambda
- Databases: MongoDB, PostgreSQL

ADDITIONAL SKILLS

- Leadership
- Versatile
- Team Collaboration
- Problem-Solving

- Implemented code review and unit testing practices to enhance code quality.

Fusemachines Nepal Pvt. Ltd., Kathmandu – Senior Software Engineer

Jan 2019 - Dec 2020

- Collaborated with the development team to identify and fix software bugs.
- Mentored junior engineers and guided interns as part of an internship program.
- Designed and developed mobile applications for the Android platform.
- Prepared and reviewed technical documentation to ensure accuracy and clarity.

Fusemachines Nepal Pvt. Ltd., Kathmandu – Software Engineer

Jan 2019 - Dec 2020

- Developed Restful APIs (backend server application) in Spring Boot (Java) with use of NoSQL database (MongoDB).
- Implemented testing frameworks; JUnit, JMock.
- Extended knowledge in Software design patterns, DBA.

EDUCATION

NMAMIT, India – B.E. in Computer Science

May, 2015 (CGPA: 9.42/10.0)

CERTIFICATE

M320: Data Modeling – MongoDB

Feb, 2021: [Certificate](#)

PROJECTS

Lead Generation and Management Platform, Vehicle Telematics and Intelligence System, Parking Hub Management Platform, Truck Load Bidding System, Recruiting Platform, Online Learning Platform, Healthcare platform

PROJECT EXPERIENCE

Healthcare platform

- Authored 10+ technical documents for architecting and designing solutions ensuring GDPR and HIPAA compliance, Zoom audio capturing for transcription, TDL lab integration, invoicing feature, multiple organization support, and teleconsultation.
- Worked closely with the PM to establish a process to ensure code quality in the project and implement an efficient release process.
- Leading client meetings to discuss upcoming feature releases, ongoing work, and new feature requirements.
- Collaborating with cross-functional teams to implement features and successfully release features to production.

Online Learning Platform

- Led a team of 10+ engineers as Squad Lead, driving the development of live class features and other functionalities for an online learning platform, including lesson planning, assignment grading tools and more.
- Actively worked with the Customer support team to resolve client-reported issues. Resolved 200+ client-reported issues.
- Monitored and managed over 30+ production releases, ensuring smooth deployment and timely issue resolution.

Recruiting Platform

- Developed a Dialog Flow-based system designed to understand queries related to the required engineers and provide a list of engineers that match the query.
- Worked on creating a service to update existing indexed lead data in Elasticsearch, replacing outdated information with new data, while looking into sources like LinkedIn and other sources to gather relevant updates.

Truck Load Bidding System

- Worked on a feature for a two-way application connecting individuals needing to transport loads with truck drivers or organizations owning trucks.
- Implemented a real-time bidding system, allowing individuals to set an initial price while truck drivers or organizations can place bids on the job.
- Gained hands-on experience with Firebase technologies: Realtime Database, Firebase Authentication.

Parking Hub Management Platform

- Collaborated in a team to develop an IoT system based on geofencing to detect vehicle entry and exit from parking hubs, and track the number of vehicles across different parking locations.

Vehicle Telematics and Intelligence System

- Improved communication skills while successfully working in a large, cross-functional team.
- Gained Android development experience, working with Kotlin to implement a feature that integrated Google Maps Service for GPS location tracking to the backend.
- Migrated the codebase to ReactJS, launching a new version of the application with an updated UI.
- Adapted quickly to the outdated SOAP protocol, resolving issues and ensuring smooth operation of the older platform versions.
- Developed a highly scalable and customizable application for performance and load testing, with the ability to adjust to API changes.
- Gained practical experience working in Agile methodology, collaborating with cross-functional teams and adapting to different coding practices and standards in client-driven environments.

Lead Generation and Management Platform

- Developed RESTful APIs using Spring Boot (Java) to support lead management and track sales pipeline status, utilizing MongoDB (NoSQL) as the database.
- Worked on email verification using Java Mail (SMTP) and integrated various third-party services and APIs to improve email verification process.