Kritish Dhaubanjar

Lead Engineer

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PROFILE

Experienced Lead Engineer with 5+ years of expertise in Full Stack Development, specializing in modern web technologies for designing, developing and deploying secure, scalable enterprise applications with continuous diagnosing and system performance optimizations - primarily in the **healthcare domain** with **HIPAA-compliant** standards. Skilled in leading remote cross-functional agile teams and mentoring engineers with strong focus on precision, on-time, high-quality delivery that aligns technology solutions with business objectives.

EXPERIENCE

Lead Engineer   **Jan 2025 – Present**
Leapfrog Technology Pvt. Ltd.

- Led optimization of a React frontend table to significantly improve rendering performance and enhanced API response times for better overall application efficiency.
- Designed a multi-tenant architecture, enabling schema sharing and separation across states (TX, VT, NE) with a prompt-driven developer experience and streamlined migrations.
- Developed the Teragrunt Dependency Resolver, a change detection tool that reduced billing time from 58 minutes to 11 minutes, significantly improving infrastructure efficiency, team productivity, and deployment accuracy.
- Designed and executed the partial-migration from DynamoDB to PostgreSQL by creating an ER diagram, structuring data transition to improve integrity, optimize the relational schema, and accelerate the migration process.
- Redesigned the monolithic API architecture serving multiple portals into two independent APIs, resulting in improved scalability, maintainability, and deployment flexibility.
- Frequently collaborated with stakeholders, Product Owner, and Engineering Managers to identify upcoming features, address challenges, and explore possibilities.
- Implemented chunked deliverables with initial T-shirt sizing, improving priority alignment, optimizing feature planning, streamlining delivery processes, and enhancing communication and decision-making.
- Led design and discovery phases for key features, collaborating with cross-functional teams to define requirements, explore solutions, and establish project direction.
- Conducted knowledge-sharing workshops on unit testing (setup, tear-down, and code coverage) as part of Leapfrog's Learning and Development program.
- Delivered a foundational JavaScript workshop tailored for QA engineers to enhance their coding skills and testing capabilities.

Senior Software Engineer   **Jan 2023 – Jan 2025**
Leapfrog Technology Pvt. Ltd.

- Served as primary and secondary support engineer and release engineer for critical feature releases, hot-fixes, and communications ensuring smooth and error-minimized deployments.
- Delivered timely failure resolutions for data export issues, maintaining data integrity and operational continuity.
- Developed, published and maintained DynamoDB dashboard to enhance developer experience by providing a user-friendly interface for managing local DynamoDB instances, addressing the gap in AWS's tooling.
- Performed Urgent diagnosis, solutions & response to problems and failures like script-failures, production/staging bugs.
- Conducted a feasibility analysis of implementing server-side pagination using DynamoDB, determining it was not a viable solution due to technical limitations.
- Consistently documented work across platforms (GitHub, Confluence, Slack) using clear, easy-to-understand markdown tutorials, step-by-step instructions, and visual aids (screenshots, videos, GIFs) to enhance team collaboration and knowledge sharing.
- Proactively enhanced project quality by introducing api validation, cleaner imports, simplified service policies, improved logging, and promoting best development practices.
- Actively semi-led meetings, managed task delegation, and guided team members on engineering and project management.
- Designed and implemented a robust referral classification system to accurately distinguish legacy, new, and duplicate referrals, enabling reliable reporting and insightful analysis.

- Oversaw and led the state-level expansion of the program by directing deployment and implementation efforts in Nebraska, leveraging successful frameworks from previous roll-outs.
- Customized and configured the platform to meet Nebraska's specific operational and programmatic requirements.
- Maintained effective cross-regional collaboration by working off-hours to coordinate with team members across NPT, PST, and AEST time zones, ensuring alignment and smooth communication.
- Developed reusable component structures to support shared functionality across multiple portals, enhancing consistency, usability, and development efficiency.
- Led the complete rebuild of a critical feature that had been delayed for several development cycles, delivering a fully functional solution within a tight deadline and showcasing strong technical and problem-solving abilities.
- Ensured accuracy and functionality of critical workflows despite initial cross-team coordination challenges, demonstrating persistence and dedication.
- Led feature communication across international teams, bridging gaps when product guidance was limited, highlighting strong technical communication and leadership.

Software Engineer   **Jan 2021 – Jan 2023**
Leapfrog Technology Pvt. Ltd.

- Conducted comprehensive breakthroughs of the Project ecosystem, architecture and CI/CD pipelines facilitating on-boarding of new engineers. Created multiple knowledge sharing sessions (KSS) covering project structure, user flows, module relationships, and step-by-step guides for setting up project environments.
- Led feature developments independently while maintaining direct communication with the product owner to ensure alignment with business goals and timely delivery.
- Prepared visual documentation and detailed comments in JIRA to ensure clear communication among stakeholders.
- Initiated and maintained technical documentation to support project artifacts and knowledge sharing.
- Adhered to project standards and actively ensured compliance across development practices.
- Proactively conducted self-research on industry-standard best practices to improve code quality and team processes.
- Independently engineered and implemented a patient identification system with fuzzy search–based matching on name, date of birth, and medical record number (MRN) to resolve duplication issues caused by re-referrals. Worked closely with the Product Owner, QA engineers, and designers to define user flows and APIs, ensuring accurate patient tracking and seamless access to unified health records.
- Developed a proof of concept (POC), later led the full-scale transition to support state-level expansion of the program, piloting the system for implementation in Vermont beyond its original scope in Texas.
- Delivered application white labeling to customize the core platform to meet Vermont's specific requirements.
- Independently supported global changes, ensuring backward compatibility with existing data. Developed migration scripts and conducted impact analysis to maintain data integrity during the transition, working under guidance as needed.
- Created multiple knowledge sharing sessions (KSS) covering project structure, user flows, module relationships, and step-by-step guides for setting up project environments.
- Provided guidance on semantic versioning best practices, collaborating closely with the Product Manager and User Story team during a US-based engagement.
- Mentored new engineers to improve pull request quality by teaching how to write clear summaries, detailed descriptions, and follow smart commit conventions.
- Developed, published and maintained a [browser extension](#) to facilitate seamless role switching for QA, engineers, and product owners, accelerating RBAC testing, multi-role product development, and live feature demonstrations.
- Coordinated with designers, QAs, and engineers to deliver KPI filter implementation under tight deadlines, assisting QA in validating filtered data with precise SQL queries.
- Identified ambiguous ID references across database tables in the KPI evaluation platform and resolved them by crafting specific SQL queries to handle exceptions and ensure accurate data filtering.

Software Engineer   **May 2020 – Jan 2021**
Medmandu Nepal Pvt. Ltd.

- Led the migration of a monolithic, server-rendered CRM platform (Node.js + EJS) to a maintainable Vue.js Single Page Application (SPA) architecture backed by RESTful APIs (Node.js + Express.js).
- Developed a custom e-commerce platform for pharmacy services, allowing users to upload prescriptions and place medication orders for medications, improving order accuracy and user experience.
- Refactored and streamlined core CRM modules, including dashboards, Kanban-style order workflows, customer/vendor management, activity logging, employee roles, purchase/sales accounting, e-commerce CMS, and procurement tracking —

enhancing system usability, maintainability, and operational efficiency.

EDUCATION

2016 – 2019
Bachelor's Degree in Computer Engineering
Tribhuvan University – Kathmandu, Nepal
Percentage: 80.16%

CERTIFICATIONS
AWS Certified Developer – Associate
Amazon Web Services (AWS)
Issued: Mar 19, 2023
Credential ID: N53N9QNKT2F1QEG1

PUBLICATIONS
Semantic Question Pair Matching with Deep Learning
KEC Conference 2021
NLP research on duplicate question detection using Word2Vec & neural networks (Acc: 72.36%)
Available at: https://kec.edu.np/kec-conference-2021-proceedings/00/

AWARDS & SCHOLARSHIPS
Four-Year Scholarship
Kantipur Engineering College — 2016
Awarded full academic scholarship based on entrance merit and academic performance.

Best Minor Project in Computer Engineering
Kantipur Engineering College — 2019
Recognized for outstanding project work in the Computer Engineering department.

SKILLS

Programming Languages	Java, Javascript/Typescript, PHP, Python, Bash
Web Development	HTML, CSS
Databases	MySQL, PostgreSQL, DynamoDB, MongoDB, Redis
Frontend Frameworks	Vue.js, React.js, Tailwind CSS, Bootstrap, shadcn/ui, Material UI, Vuetify, Electron, JavaFX
Backend Prameworks	Node.js, Express.js, Laravel
Containerization/Orchestration	Docker, Ansible
Tools/Technologies	Git, Github, AWS