Sumedh Bajracharya

Senior Software Engineer II | Frontend Developer | UX Engineer

▬ Professional Summary

Senior Software Engineer with 4.5+ years of expertise in architecting AI-powered healthcare solutions and enterprise applications. Led 15+ production deployments serving healthcare organizations, implementing HIPAA-compliant systems with 99.9% uptime. Expert in modern JavaScript ecosystems (React, Next.js, Vue.js) with a proven track record in performance optimization (70% API call reduction), microservices architecture, and cloud infrastructure (AWS, Azure). Passionate about leveraging AI-assisted development workflows and bridging design-engineering gaps.

▬ Professional Highlights

- Reduced development costs by 40% through reusable architecture and AI-powered workflows.
- Early adopter of AI tools (Cursor, Claude Code) driving 30% team productivity gains.
- Successfully mentored 8+ engineers, with 3 promoted to mid-level within 12 months.
- Experience in cloud infrastructure orchestration (AWS & Azure) and CI/CD automation.

▬ Experience

GritFeat Solutions

2024–Present — **Sr. Software Engineer II**, *GritFeat Solutions*, Lalitpur, Nepal
- Lead frontend architecture for enterprise healthcare applications using React and Next.js, ensuring 99.9% uptime.
- Engineer chunk-based AI Chat Streaming, improving response times by 60% and reducing token costs by 40%.
- Architect HIPAA-compliant solutions using AWS Cognito, encryption protocols, and microservices.
- Established company-wide RESTful API design standards and conducted 50+ technical interviews.

2023–2024 — **Sr. Software Engineer I**, *GritFeat Solutions*
- Managed cloud infrastructure across AWS (S3, EC2, CloudFront) and Azure (Container Apps).
- Automated CI/CD pipelines using Harness, reducing deployment time by 30%.
- Led mentorship programs and implemented monitoring/alerting systems via Sentry and CloudWatch.

2023–2023 — **Software Engineer III**, *GritFeat Solutions*
- Designed comprehensive design systems and component libraries, reducing dev time by 25%.
- Optimized application bundle sizes by 40% through code splitting and lazy loading.

2021–2022 — **Software Engineer I & II**, *GritFeat Solutions*
- Delivered pixel-perfect UI/UX implementations with 95%+ stakeholder satisfaction.
- Performed advanced refactoring reducing initial load times by 50%.

2020–2021 — **Associate UI/UX Engineer**, *GritFeat Solutions*
- Translated stakeholder requirements into high-fidelity Figma prototypes and PowerBI dashboards.

ITGlance Pvt. Ltd.

2020–2020 — **UX & Full-Stack Intern**, *ITGlance*, Lalitpur, Nepal
- Contributed to full-stack development using JavaScript and Java for manual record digitization.

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Key Projects

Healthcare AI	Lead Architect for a no-code healthcare app builder. Implemented ReactFlow for canvas-based UX and Metamodel API for dynamic rendering. **Impact:** 10x faster app building for clients.
Fertility Bot	Backend Architect for HIPAA-compliant AI chatbot. Optimized context window by 65% via history summarization. **Impact:** 40% reduction in operational costs.
Team Collaboration Platform	In-house collaboration tool with real-time messaging (Socket.io) and OKR tracking. **Impact:** Improved team productivity by 35%.

Technical Skills

Frontend	React, Next.js, TypeScript, Vue, TailwindCSS, React Query, ReactFlow, Redux
Backend	Node.js, Nest.js, PostgreSQL, MongoDB, Redis, GraphQL, Microservices
Cloud/DevOps	AWS (S3, Lambda, Cognito), Azure (ACR, DevOps), Docker, Harness, CI/CD
AI Tools	Cursor, Claude Code, LLM API Integration, Token Optimization, Intent Recognition
Design	Figma (Expert), Adobe XD, Design Systems, Prototyping, Usability Testing

Education

2023–2025	**Master of Information Technology (MIT)**, *KLUST*, Kuala Lumpur Ongoing
2016–2021	**Bachelor of Information Management (BIM)**, *NCCS*, Kathmandu Tribhuvan University

Languages

English	Fluent	*Professional proficiency*
Nepali	Native	
Newari	Native	
Hindi	Fluent	*Conversational*

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