

Ayush Khatri

Software Engineer – Fintech & Healthcare

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Summary

Dynamic Software Engineer with 3 years of experience driving innovation in fintech and healthcare solutions. Skilled in Node.js, React, and Next.js, with strong expertise in building secure, scalable SaaS architectures. Proven ability to optimize performance, automate workflows, and improve system efficiency by 20–60%. Dedicated to creating impactful software that enhances usability, compliance, and performance across industries.

Technical Skills

- **Languages::** JavaScript/TypeScript, Go, PHP, Python, SQL
- **Frontend::** React, Next.js, D3.js, WordPress, HTML/CSS
- **Backend::** Node.js, Laravel, Express.js, REST APIs
- **DevOps::** Docker, AWS, GCP, Jenkins, GitHub Actions, CI/CD
- **Tools::** Git, Figma, Stripe, Adobe Illustrator, Jira
- **Architecture::** Microservices, SaaS, Multi-tenant Systems, HIPAA Compliance

Professional Experience

Software Engineer

Assabet Technologies, Kathmandu

Feb 2025 – Present

Calculate Alpha – Stock Analysis Platform

- Built a stock intrinsic value calculator, increasing analysis speed by 20%.
- Automated 100% of subscription payments via Stripe, eliminating manual processing.
- Designed a multi-tenant SaaS architecture supporting 50+ concurrent financial tools.
- Optimized API and frontend performance, achieving 35% faster page loads.

Sketchnosis – Healthcare Platform

- Developed HIPAA-compliant platform securing patient data with protected images.
- Increased patient-campaign engagement by 40% through targeted visual assignments.
- Built secure backend APIs using Next.js/Node.js ensuring near-zero downtime.

Gensight – Medical Diagnostics

- Developed D3.js visualizations improving symptom analysis speed by 50%.
- Built AI chatbot delivering real-time health guidance for 100+ FAQs, cutting staff response time by 60%.
- Deployed diagnostics system used by 50+ healthcare professionals for real-time education and analysis.

Software Engineer

Pace Infosys, Kathmandu

Jul 2024 – Feb 2025

Proctoring Web Application

- Developed secure proctoring system with body/eye tracking and tab-switch detection, reducing cheating by over 90%.
- Implemented Laravel backend with audit logging achieving fully secure monitoring.

Training Management System

- Built scheduling and tracking system increasing training participation by 40%.
- Enabled real-time analytics to measure ROI of training programs.

Human Resource Management System

- Automated HR workflows reducing manual work by 50% and errors by 60%.
- Provided real-time dashboards for workforce insights and performance tracking.

Software Engineer

Arcode Studeo, Kathmandu

Oct 2023 – Jul 2024

Customer Relationship Management (CRM)

- Centralized customer data reducing duplicate entries by 70% and improving lead conversion by 25%.

Learning Management System (LMS)

- Automated content delivery increasing completion rates by 35%.
- Integrated dashboards reducing manual tracking by 50%.

Voting Platform

- Developed real-time voting platform with Stripe integration handling 1000+ votes/day.
- Implemented live counting and ensured 0% downtime during high-traffic events.

Frontend Developer

Parijat Infotech, Kathmandu

May 2022 – Oct 2023

- Built custom WordPress plugins reducing configuration by 30–40%.
- Optimized frontend performance decreasing load times by 20–35%.
- Implemented responsive designs improving engagement and retention.

Education

B.Sc. (Hons) in Computer Science

LBEF College, Maitidevi

2022 – 2025

GPA: 3.4/4.0

Higher Secondary Education (Physics)

The Times International College

2019 – 2021

GPA: 3.7/4.0

Secondary Education

The New Summit School

2019

GPA: 3.7/4.0

Hobbies

Football, Cricket, Mathematics