

SEKH HASIM AHMED

Senior Software Engineer | Full-Stack Engineer | 7+ Years of Experience

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PROFESSIONAL SUMMARY

Senior Software Engineer with 7+ years of experience building scalable web platforms and high-throughput APIs. Strong in React.js, Next.js, Vue.js, TypeScript, Node.js, Express.js, PHP, and Laravel, with PostgreSQL, MySQL, MongoDB, and Redis. Experienced in microservices, real-time WebSocket applications, payment gateway and subscription billing integrations, and AI/RAG search. Led and mentored developers, conducted code reviews, and automated CI/CD on AWS and Docker.

TECHNICAL SKILLS

Frontend: React.js, Next.js, Vue.js, TypeScript, JavaScript (ES6+), Inertia.js, jQuery, Tailwind CSS, Bootstrap, HTML5, CSS3

Backend: Node.js, Express.js, PHP, Laravel, CodeIgniter, RESTful APIs, Microservices, WebSockets (Socket.io)

Databases & ORMs: PostgreSQL, MySQL, MongoDB, Redis, SQLite, PostGIS, Eloquent ORM, Mongoose, Prisma

Cloud & DevOps: AWS (EC2, S3, RDS, Lambda, CloudFront), DigitalOcean, Docker, CI/CD (GitHub Actions), Git, GitHub

AI & GenAI: Retrieval-Augmented Generation (RAG), Vector Embeddings, LLM Orchestration, Prompt Engineering

Security & Architecture: JWT Authentication, Session Management, RBAC, XSS/CSRF Mitigation, API Rate Limiting

Payment Integrations: Stripe, Recharge, Whop, FanBasis, Cartpanda, Webhooks

Engineering Practices: Full-Stack Architecture, System Design, Agile/Scrum, Code Reviews, Technical Mentoring

PROFESSIONAL EXPERIENCE

Senior Engineer (Web)

Jun 2024 – May 2026

CodeClouds IT Solutions, Kolkata, India

- Led and mentored developers, managing task distribution, code reviews, and on-time delivery of client projects.
- Owned the end-to-end delivery of high-traffic web platforms using Next.js, React.js, Vue.js, TypeScript, Node.js, and Laravel, serving thousands of active users.
- Designed and built RESTful APIs and backend services using Node.js, Express.js, and Laravel (PHP), backed by MongoDB, PostgreSQL, and MySQL.
- Improved Time to First Byte (TTFB) and page load performance through Next.js Server-Side Rendering (SSR), code splitting, and asset optimization.
- Containerized applications with Docker and automated CI/CD pipelines using GitHub Actions and AWS (EC2, S3, CloudFront), significantly reducing release time and manual deployment effort.
- Worked directly with enterprise clients to gather requirements, define technical architecture, scope deliverables, and communicate project progress and outcomes.

Senior Software Engineer

Sep 2023 – Apr 2024

Kadel Labs Private Limited, Kolkata, India

- Developed modular full-stack features for enterprise web applications using React.js, JavaScript, Laravel (PHP), and MySQL, delivering maintainable and production-ready functionality.
- Architected server-side business logic and secure REST APIs supporting transaction processing, data transformation, and batch data exports.
- Mentored team members through code reviews, technical guidance, and knowledge sharing, while maintaining collaborative Git-based development workflows.
- Collaborated within cross-functional Agile teams to resolve production bottlenecks, improve development workflows, and deliver features on schedule.

Web Application Developer

Mar 2019 – Jun 2023

Infotechsolz, Kolkata, India

- Developed and maintained production web applications using PHP, Laravel, CodeIgniter, JavaScript, and Git, containerized with Docker and deployed on DigitalOcean, delivering reliable features across multiple client projects.
- Delivered large-scale web applications in collaboration with senior engineers, using React.js and Vue.js to build responsive and maintainable user interfaces.
- Created backend services, internal web applications, and frontend features using Node.js, Express.js, JavaScript, and jQuery, integrating APIs and business logic.
- Collaborated with UI/UX designers to translate wireframes and design specifications into responsive, accessible, and cross-browser-compatible web interfaces.

KEY PROJECTS

Conversational AI & Vector Search Engine

Tech Stack: Next.js, React.js, TypeScript, Node.js, Google Gemini, Groq, OpenRouter, Upstash Redis, Tailwind CSS

- Built a client-side Retrieval-Augmented Generation (RAG) search engine using cosine similarity against vector embeddings for sub-second semantic retrieval.
- Architected a multi-model failover API router with Redis-based rate limiting, keeping the chatbot highly available.

Real-Time Instant Messaging & Collaboration Platform

Tech Stack: Next.js, React.js, TypeScript, Node.js, Express.js, Socket.io, MongoDB, Redis, JWT

- Engineered a full-stack messaging platform using Socket.io WebSockets for instant bidirectional delivery, online user presence, and typing indicators.
- Implemented Redis in-memory session caching and JWT authentication in HTTP-only, SameSite cookies to safeguard against XSS and CSRF attacks.

Geospatial Property Intelligence & Zoning Analytics Platform

Tech Stack: Vue.js, TypeScript, PHP, PostgreSQL/PostGIS, Mapbox GL JS, Stripe, AWS (S3, EC2, RDS)

- Created an interactive GIS mapping application rendering municipal parcel boundaries and zoning overlays using Mapbox GL JS and PostGIS.
- Optimized complex polygon rendering performance through client-side bounding box filtration, and integrated Stripe for subscription billing.

Athletic Recruitment & Endorsement SaaS Platform

Tech Stack: Laravel, Inertia.js, React.js, TypeScript, MySQL, Stripe, Twilio API, AWS

- Engineered a single-page full-stack architecture using Inertia.js to bridge Laravel backend models directly to React UI components without REST boilerplate.
- Integrated Twilio API for real-time automated SMS alerts and digital endorsement verification workflows, plus Stripe Cashier recurring subscription billing.

D2C E-Commerce Subscription & Recurring Billing Platform

Tech Stack: React.js, TypeScript, PHP, MySQL, Recharge API, Stripe, Tailwind CSS

- Delivered customer subscription portal views with Recharge API and Stripe, enabling subscribers to pause, skip, and customize recurring delivery cycles.
- Built automated webhook receivers processing billing renewals to synchronize inventory and order fulfillment queues in real time.

Multi-Step Video Marketing Funnel & Provisioning Engine

Tech Stack: Next.js, React.js, TypeScript, Node.js, Redis, CRM APIs, Payment Webhooks

- Built a multi-step video marketing funnel tracking a 15+ minute playback milestone to conditionally trigger dynamic checkout flows.
- Automated backend payment webhook handlers (Whop/FanBasis/Cartpanda) to execute instant user account provisioning and CRM lead routing.

EDUCATION

Bachelor of Engineering in Computer Science

Jul 2014 – Jun 2017

Bearys Institute of Technology, Mangaluru, Karnataka

Diploma in Computer Science

Jul 2011 – Jun 2014

PA Polytechnic, Mangaluru, Karnataka

CERTIFICATIONS

- Google AI Professional Certificate — Google
- Docker Foundations Professional Certificate — Docker, Inc.
- Career Essentials in GitHub Professional Certificate — GitHub
- Next.js & React: The Complete Guide — Udemy
- Vue: The Complete Guide (Composition API & Router) — Udemy
- React, NodeJS, Express & MongoDB - The MERN Fullstack Guide — Udemy
- React: The Complete Guide (Router & Redux) — Udemy
- PHP with MySQL Professional Training — SysAlgo Technologies

ADDITIONAL INFORMATION

- **Availability:** Immediate Joiner
- **Work Preference:** Remote / Hybrid / On-site
- **Languages:** English (Professional / Fluent), Bengali (Native), Hindi (Conversational)