RAJENDRA KUMAR NAGAR

Senior Full Stack Engineer & Technical Lead | Vue.js · Next.js · React · TypeScript · Laravel · AI Systems

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PROFESSIONAL SUMMARY

Hands-on **Technical Lead & Senior Full Stack Engineer** with 10+ years of experience architecting scalable SaaS platforms, high-performance web applications, and enterprise microservices. Deep technical mastery in modern web engines (Vue.js 3, Next.js, React, TypeScript, Laravel / PHP) and production-grade AI integration (OpenAI API, Claude API, custom LLM agents, prompt engineering, vector workflows). Proven history leading cross-functional engineering teams of 4–6 developers, enforcing rigorous TDD/CI-CD standards to maintain 90%+ test coverage, and slashing release delivery timelines by 25%.

CORE COMPETENCIES & TECHNICAL STACK

Frontend Architecture: Vue.js 3 (Composition API), Next.js, React, TypeScript, Pinia, Vuex, Tailwind CSS, SASS, Dynamic State Management

Backend & API Systems: Laravel (PHP), RESTful API Architecture, Database Schema Design, MySQL, PostgreSQL, Redis Caching, Microservices

AI Engineering & Automation: OpenAI API, Claude API, LLM Feature Integration, Autonomous Dispatch Agents, Prompt Engineering

DevOps, Cloud & QA: AWS (EC2, S3, CloudFront, RDS), Docker, GitHub Actions CI/CD pipelines, Nginx, Vitest, PHPUnit, TDD (90%+ coverage)

WORK EXPERIENCE

Senior Full Stack Developer / Technical Lead — Cracker Digital Media

Jaipur, India | Jun 2019 – Present (6 Years)

- **Architected & Shipped 5+ Enterprise SaaS Platforms:** Designed core system architecture end-to-end using Vue.js 3 and Laravel (PHP), reducing client release cycles by 25% while serving 10K+ active end-users.
- **Led Cross-Functional Engineering Teams:** Directed remote Agile teams of 4–6 developers across 2-week Scrum sprints; owned architecture planning, JIRA milestone delivery, code reviews, and developer 1:1 mentorship.
- **Built Autonomous AI Dispatch System:** Engineered an AI-driven job dispatch agent for Markham Heating & Air Conditioning using location algorithms to assign service calls to nearest active technicians, reducing manual dispatch time to near-zero.
- **Integrated LLM Capabilities into Production SaaS:** Architected OpenAI API workflows for Actionable HQ to transform unstructured user inputs into actionable commitment plans; implemented automated milestone event triggers (10+ journal check-ins) to boost user retention.
- **Production Hotfix Leadership & Diagnostics:** Root-caused and resolved an acute AU-region commitment creation outage stemming from Safari browser cookie scoping constraints, maintaining 100% data integrity under strict time bounds.
- **Optimized Application Performance & SEO:** Built high-performance Next.js SSR frontends backed by robust Laravel REST APIs, securing sub-1s TTFB and generating a 35% surge in organic search acquisition.
- **Pioneered TDD & Automated CI/CD Workflows:** Mandated TDD practices using Vitest and PHPUnit, preserving 90%+ unit/integration test coverage and establishing Docker/GitHub Actions pipelines that cut deployment time by 4+ hours per release.
- **Managed Cloud Infrastructure:** Provisioned and monitored production services on AWS (EC2, S3, CloudFront, RDS), sustaining a 99.9% uptime SLA across all active client ecosystems.

WORK EXPERIENCE (CONTINUED)

Front-End Engineer — Kriscent Techno Hub Pvt. Ltd.

Kota, India | Jan 2015 – Jun 2019 (4.5 Years)

- **Mobile-First Frontend Engineering:** Developed responsive web application interfaces in Vue.js and React across 5+ client web platforms, driving a 40% growth in mobile platform traffic.
- **Web Performance Optimization:** Accelerated First Contentful Paint (FCP) by 60% across legacy applications using code-splitting, route lazy loading, and frontend bundle optimization techniques.
- **UI Component Library Standardization:** Built reusable, accessible component libraries using Tailwind CSS, Bootstrap, and SASS, standardizing styling patterns across the engineering team.
- **Accessibility & Quality Audits:** Cut UI defects by 30% by introducing structured Lighthouse performance audits and WCAG 2.1 accessibility benchmarks into standard QA sprints.
- **Conversion Funnel Optimization:** Refactored user onboarding and checkout flows, directly contributing to an 18% lift in user conversion rates over 12 months.

KEY FEATURED PROJECTS

Actionable HQ — Behavioral Team Accountability SaaS | *Lead Engineer*

hq.actionable.co

- Built AI commitment engine using OpenAI API to transform vague user inputs into structured action steps.
- Engineered real-time threaded chat system with nested replies and emoji reactions, managing high-frequency state in Vuex.
- Integrated WhatsApp Business API and push notifications, elevating check-in consistency across 10,000+ users.
- Earned a 30-point Lighthouse score increase and 40% speed boost, resulting in a 20% engagement increase.

Markham Heating & Air Conditioning — Service Operations Engine | *Lead Engineer*

markhamheating.com

- Engineered AI dispatch logic matching customer emergency tickets with nearest technicians in real time.
- Implemented direct customer online booking portal for HVAC maintenance, eliminating manual phone dispatch work.

HDL Capital — Financial Insights Platform | *Lead Engineer*

hdlcapital.com

- Architected Next.js SSR frontend, boosting Core Web Vitals by 25% and driving 35% higher organic search traffic.
- Reduced Time to Interactive (TTI) by 40% leveraging CloudFront edge caching and image pipeline optimizations.

EDUCATION

Bachelor of Computer Applications (BCA)
Kota University, India — Graduated 2014

CERTIFICATIONS

AWS Certified: Prompt Engineering Specialist (2024)
AWS Certified: TypeScript Developer (2023)
PHP Development Certification — Zend / PHP Institute (2015)

HONORS & RECOGNITION

🏆 **Employee of the Year (2017 & 2022)** — Cracker Digital Media	Recognized for leadership & project excellence
🚀 **Achievement of the Year (2021)** — Cracker Digital Media	Built LLM agent cutting operations by 60%
⭐ **Evergreen Person of the Year (2018)** — Cracker Digital Media	Awarded for engineering reliability & teamwork