

Amit Kumar Singh

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New Delhi, India | Open to Remote & Hybrid

Summary

Senior Full Stack Engineer with 8+ years of experience designing, building, and scaling high-traffic e-commerce and marketplace platforms. Proven track record of shipping complex backend systems end-to-end, from distributed search infrastructure and API architecture to cloud migrations and team technical leadership. Promoted from PHP Developer to SDE-III at Techjockey; tech lead for a 6-person engineering pod. Strong in REST API design, system design, database optimization, microservices, and AWS.

Technical Skills

- **Languages & Frameworks:** JavaScript, Node.js, PHP, TypeScript, Next.js
- **Databases & Search:** MySQL, MongoDB, Elasticsearch, Redis
- **Cloud & DevOps:** AWS (Lambda, EC2, S3), Docker, CI/CD pipelines, Nginx, Apache
- **Messaging & Queuing:** RabbitMQ, Gearman
- **APIs & Architecture:** REST API design, Microservices, System Design (LLD/HLD)
- **Analytics & Tooling:** Google Analytics 4, CleverTap, MoEngage, Git, JIRA, Agile/Scrum

Experience

Senior Software Development Engineer (SDE-III), Techjockey – Oct 2018 – Present
New Delhi, India

India's leading B2B SaaS marketplace for software products. Promoted: PHP Developer → SDE-II → SDE-III. Tech lead for a 6-person engineering pod.

- Architected and launched full-scale **SaaS marketplace products for the US and UAE markets** end-to-end system design, REST API development, AWS deployment, and CI/CD pipeline setup, driving **INR 2 CR revenue** (out of a 3 Cr target) within the first launch cycle.
- Designed and implemented a **product ranking algorithm** that improved search result relevance and personalization, measurably boosting platform conversion rate.
- Led **AWS infrastructure migration** from on-premise servers, setting up load balancing and a CI/CD pipeline, improving deployment efficiency by **~60%** and eliminating manual release errors.
- Diagnosed critical API bottlenecks and reduced **server response time from 800ms to under 200ms** (75% improvement) through query optimization, caching strategy redesign, and API layer refactoring.
- Implemented **Redis caching and async queue processing** (RabbitMQ/Gearman), improving platform throughput by **40%** and enabling the system to handle 3× more concurrent users.
- Built **Elasticsearch-powered search** with autosuggest and autocorrect, delivering **100× faster search results** at scale across a catalogue of thousands of SaaS products.
- Redesigned checkout from a **10-step flow to a streamlined 3-step process**, reducing abandonment and increasing **monthly transaction volume by 80%**.
- Developed a **customizable lead generation utility** deployable on any website via a single JavaScript include — enabling rapid partner integrations without engineering overhead.
- Elevated **Google PageSpeed scores from 50 → 90+ (desktop) and 40 → 80+ (mobile)**, contributing to top-3 ranking positions for core product pages.
- Developed custom **WordPress themes and plugins** that improved Core Web Vitals from 46 → 95+ (desktop) and 25 → 85+ (mobile), driving a **23% increase in organic traffic**.
- Integrated **GA4, CleverTap, and MoEngage** analytics stack, enabling data-driven product decisions

and improving campaign targeting precision.

- Technically led a **6-person engineering pod** — conducting code reviews, defining coding standards, guiding architecture decisions, and mentoring junior engineers and interns.

PHP Web Developer, Web Planet Infocom – Delhi, India

May 2017 – Oct 2018

- Built and maintained **15+ client websites** (e-commerce, corporate, blogs) using PHP, WordPress, and custom frameworks; improved average page performance by **33%**.
- Implemented **secure user authentication and authorization** across multi-server environments — zero security incidents during tenure.
- Developed **RESTful APIs** and reusable PHP components, improving application maintainability and reducing development time for future iterations.
- Collaborated with marketing teams to deliver digital solutions that increased **client organic engagement by 27%** on average.
- Conducted data-driven website analysis and proposed performance enhancements, improving overall site functionality by **33%**.

Projects

SEO Champ – Chrome Extension

Chrome Web Store

- One-click browser extension for **SEO audits, structured data validation, broken link checks, page speed analysis, and SERP insights** — helping developers and marketers optimize websites faster.
- Rated **4.8 / 5 stars** on the Chrome Web Store. Live and publicly available.
- Stack: JavaScript, HTML, CSS

GraceMind – Mobile App

- Built an **AI-powered journaling and mindfulness app** featuring guided prompts and an LLM assistant for enhanced user reflection and mental well-being.
- Demonstrates hands-on experience integrating **LLM/AI APIs** into production mobile applications.
- Stack: Flutter, Firebase, REST API, AI/LLM integration

Education

West Bengal University of Technology

Aug 2012 – Jul 2016

- B.Tech in Electronics and Communications Engineering | **CGPA: 8.4 / 10**