

Akash Singh

Senior Full Stack Developer | Tech Lead

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PROFESSIONAL SUMMARY

Senior Full Stack Developer and Tech Lead with 6+ years of experience designing, building, and scaling production web and e-commerce applications using PHP, Laravel, Vue.js, React, and MySQL. Has delivered and maintained 50+ industry-level applications and 30+ CMS-based platforms for clients across Singapore, Malaysia, Australia, and India. Leads development teams end to end - requirement analysis, architecture, REST API design, front-end development, Linux server setup, CI/CD, code review, and performance optimization. Experienced in integrating AI and LLM capabilities (OpenAI and Anthropic Claude APIs, RAG-based search, AI chatbots, workflow automation) into existing business applications. Combines hands-on engineering with team leadership, sprint planning, mentoring, and direct client communication.

TECHNICAL SKILLS

- **Programming Languages:** PHP 8, JavaScript (ES6+), TypeScript, SQL, HTML5, CSS3
- **Backend Development:** Laravel, REST API Development, MVC Architecture, OOP, Node.js, Express.js, Queues and Job Workers, Livewire, API Authentication (JWT, OAuth 2.0, Laravel Sanctum)
- **Frontend Development:** Vue.js, React.js, Alpine.js, Tailwind CSS, Bootstrap, jQuery, Responsive Web Design, Cross-Browser Compatibility
- **Databases:** MySQL, PostgreSQL, Redis, Database Design, Query Optimization, Indexing, Bulk Data Migration
- **DevOps and Cloud:** Linux Server Administration, Nginx, Apache, Git, GitHub Actions, CI/CD Pipelines, Docker (basic), AWS (EC2, S3, RDS), cPanel and Plesk, SSL Configuration, Server Monitoring and Backups
- **AI and Automation:** OpenAI API, Anthropic Claude API, LLM Integration, Prompt Engineering, AI Chatbot Development, Retrieval-Augmented Generation (RAG), Vector Search and Embeddings, AI-Assisted Development (GitHub Copilot, Cursor, Claude Code), Workflow Automation
- **CMS and E-commerce:** WordPress, WooCommerce, Custom Theme Development, Custom Plugin Development, Shopify (basic), Payment Gateway Integration (Stripe, PayPal, Razorpay), Multi-Currency and Multi-Region Stores
- **Leadership and Management:** Technical Team Leadership, Sprint Planning, Task Allocation, Code Review, Developer Mentoring, Requirement Gathering, Client and Stakeholder Communication, Release Management, Project Estimation, Technical Documentation
- **Practices and Tools:** Agile, Scrum, Unit Testing (PHPUnit), Application Security (OWASP Top 10), Jira, Postman, VS Code, Git Flow

PROFESSIONAL EXPERIENCE

Software Engineer / Tech Lead - Full Stack Development

Jamtech Technologies Private Limited, Lucknow, India | June 2021 - Present

- Tech Lead Developer for 50+ industry-level web, e-commerce, and community applications and 30+ CMS-based platforms serving clients in Singapore, Malaysia, Australia, and India, owning architecture, development, deployment, and ongoing maintenance.
- Designed and shipped custom modules using PHP 8, Laravel, and MySQL, covering REST API design, authentication, payment processing, order management, and reporting dashboards.
- Processed and migrated bulk datasets of 1M+ records using queue-based Laravel jobs, eliminating timeout failures and improving import reliability.
- Built responsive front-end interfaces with Vue.js and Alpine.js, improving usability and reducing checkout drop-off on e-commerce stores.
- Optimized MySQL schemas, queries, and Redis caching layers, cutting average page load time by up to 45% on high-traffic pages.
- Led and mentored the development team across parallel client projects, running sprint planning, task allocation, code reviews, and release management; improved team delivery speed by 20%.
- Integrated AI and LLM capabilities into existing products using OpenAI and Anthropic Claude APIs, delivering AI chatbots, automated content generation, and smart product search that reduced manual content and support effort by around 40%.
- Implemented retrieval-augmented generation (RAG) with embeddings and vector search to power natural-language product and knowledge-base search across client platforms.

- Configured and hardened dedicated Linux servers (Nginx, PHP-FPM, SSL, automated backups) and built Git-based CI/CD pipelines that reduced deployment time from hours to under 10 minutes.
- Integrated third-party services and APIs including payment gateways, shipping providers, email and SMS platforms, and analytics tools.
- Owned client communication and requirement gathering, translating business goals into technical scope, timelines, and feature releases.
- Applied secure coding practices including OWASP Top 10 mitigation, input validation, and role-based access control to maintain stability and data security across releases.

Web Developer

WebTechHive Technologies Private Limited, Lucknow, India | March 2020 - June 2021

- Delivered end-to-end websites and CMS solutions for 20+ clients using PHP, JavaScript, MySQL, HTML5, and CSS3.
- Developed custom WordPress themes and plugins from scratch to meet client-specific business requirements, replacing paid third-party tools and reducing licensing cost.
- Integrated third-party REST APIs into WordPress and PHP applications to extend functionality for bookings, payments, and CRM synchronisation.
- Improved website performance through code refactoring, caching, and asset optimization, raising Google PageSpeed scores and reducing bounce rate.
- Worked directly with clients to gather requirements, propose technical solutions, and deliver projects on schedule.

KEY PROJECTS

Togoparts - Cycling Marketplace and Community Platform (Singapore) (togoparts.com)

Role: Tech Lead Developer. Marketplace listings, member community, and event modules built on Laravel, Vue.js, and MySQL. Led feature development, API integration, performance tuning, and server operations.

CycleHome SG - E-commerce Store (Singapore) (cyclehome.sg)

Role: Tech Lead Developer. Online bicycle and accessories store with product catalogue, payment gateway integration, and order management. Led custom development, optimization, and ongoing maintenance.

Yes.my - Business Web Platform (Malaysia) (yes.my)

Role: Tech Lead Developer. Multi-module business platform with custom backend features, third-party integrations, and a responsive front-end. Led development and release cycles.

The Designer Club - E-commerce Platform (Australia) (thedesignerclub.com.au)

Role: Tech Lead Developer. Custom e-commerce build with catalogue management, checkout flow, and multi-currency support. Led architecture, development, and deployment.

Additional Client Platforms (101lab.co | all1house.com | cocoveda.sg)

Role: Tech Lead Developer. Custom websites and e-commerce stores delivered with WordPress, WooCommerce, Laravel, and custom PHP, including hosting setup, team coordination, and long-term support.

EDUCATION

Bachelor of Computer Applications (BCA)

Gorakhpur, Uttar Pradesh, India

Industrial Training Institute (ITI)

Lucknow, Uttar Pradesh, India

CORE STRENGTHS

- **Technical Leadership:** Leads development teams, sets technical direction, and keeps parallel client projects on schedule.
- **Problem Solving:** Breaks down complex production issues and delivers practical, maintainable fixes.
- **Ownership:** Handles projects end to end, from requirement gathering through deployment and support.
- **Team Collaboration:** Works effectively with cross-functional and international teams across time zones.
- **Adaptability:** Quickly adopts new frameworks, tools, and AI-assisted development workflows.
- **Communication:** Communicates directly with clients and stakeholders in English on scope, cost, and timelines.