

ABHISHEK KUMAR

Senior Full-Stack Developer & Frontend Team Lead | React/Next.js · NestJS Microservices · AWS · Agentic AI Automation

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PROFESSIONAL SUMMARY

Senior Full-Stack Developer with 6+ years building scalable, high-performance web platforms across React.js, Next.js, Node.js, and NestJS microservices. Currently Frontend Team Lead on TrustClarity, a multi-service e-commerce/SaaS platform, while personally contributing full-stack and DevOps work across its NestJS backend, AWS infrastructure, and payment systems. Track record of cutting page load and API response times by up to 60%, designing secure REST/GraphQL APIs, and leading cross-functional teams through sprint planning, code review, and delivery. Hands-on across the stack: microservices architecture, CI/CD on AWS, database design (PostgreSQL, MongoDB, MySQL, Redis), Web3/blockchain integrations, and DevOps troubleshooting under production pressure — including incident response for a supply-chain security compromise. Increasingly focused on agentic AI development — building Claude Code automations, MCP-based tool integrations, and AI governance frameworks that speed up engineering delivery.

CORE SKILLS

- **Frontend:** React.js, Next.js, TypeScript, JavaScript (ES6+), Redux/Redux-Saga, Zustand, Tailwind CSS, Material UI, Styled-Components, React Native
- **Backend:** Node.js, NestJS, Express.js, RESTful & GraphQL API design, microservices architecture, Python (basic)
- **Cloud & DevOps:** AWS (EC2, ECR, RDS, Lambda, EventBridge, SNS, CodeBuild, S3), Docker, CI/CD pipeline design, Kafka, Redis, GitHub Actions, security scanning
- **Data:** PostgreSQL, MongoDB, MySQL, Prisma, Redis, database schema design & query optimization
- **Payments & Web3:** Stripe (Payments, Tax, ACH), payment reconciliation architecture, Web3.js, Thirdweb SDK, EVM/Metamask, smart contract integration
- **AI & Agentic Development:** Claude Code CLI (custom slash commands, hooks, workflow automation), Model Context Protocol (MCP) integrations, AI governance & security framework design, agentic workflow automation
- **Practices:** Agile/Scrum, code review & mentorship, sprint planning, Jira/Atlassian, incident response, accessibility & performance optimization

PROFESSIONAL EXPERIENCE

Senior Software Developer & Team Lead — Solulab

Jan 2020 – Present

Consulting/product engineering firm; leads a cross-functional team delivering web, mobile, and blockchain products for enterprise clients.

Key Engagement — Frontend Team Lead, TrustClarity (Next.js E-Commerce/SaaS Platform)

- Lead the frontend engineering team delivering the customer and seller-facing web apps (Next.js) for TrustClarity, a multi-service e-commerce/SaaS platform, coordinating closely with backend, product, and design.
- Contribute full-stack across the platform's NestJS microservices (tc-ms-admin, tc-ms-seller, tc-ms-user, tc-ms-jobs, tc-ms-productinsights) and personally own its AWS infrastructure end-to-end — EC2, ECR, CodeBuild, RDS/PostgreSQL, Lambda, EventBridge, SNS, Redis, and Kafka.
- Designed the migration from TaxJar to Stripe Tax across the user and buyer services, including a formal rollback plan and feature-flag rollout strategy to protect live transactions.
- Architected split-payment handling for bank transfer vs. Stripe flows, and designed a Stripe ACH Direct Debit consolidation proposal for automated tax remittance, presented for management approval.
- Directed the technical response to a supply-chain security compromise (malicious code injected into repos via a compromised developer account), producing fleet-ready detection scripts for Windows and macOS/Linux and identifying the host-level root cause.
- Rolled out GitHub Actions CI/CD security scanning across core repositories, including establishing the AI governance framework (tc-ai-governance) for AI-integrated services, and resolved recurring org-level branch-protection and webhook issues affecting release velocity.
- Built agentic AI automation to speed up delivery — custom Claude Code slash commands and hooks for developer workflow automation, plus an Atlassian MCP integration for AI-driven Jira ticket creation, sprint assignment, and epic linking.
- Diagnosed and resolved production incidents spanning Docker/EC2 disk exhaustion, Kafka connectivity failures, OpenTelemetry misconfiguration, and CloudFront/S3 asset delivery.

Broader Impact at Solulab

- Improved overall application performance by 60% through frontend optimizations (lazy loading, code splitting, caching) and backend enhancements (query optimization, indexing, efficient API design).
- Designed and shipped secure, maintainable RESTful and GraphQL APIs in Node.js powering multiple production client platforms.
- Architected and optimized database schemas for scalable, high-traffic applications across MongoDB, MySQL, and PostgreSQL.
- Mentored 10+ junior developers and interns through code reviews and pairing, accelerating onboarding and raising overall code quality.
- Partnered with product managers, designers, and stakeholders to define technical roadmaps and drive sprint planning, achieving 95% client satisfaction across delivered projects.
- Recognized as Best Software Developer at Solulab for four consecutive years (2022–2025) for delivery quality and UI/UX excellence.

SELECTED PROJECTS

TrustClarity — Enterprise E-Commerce/SaaS Platform trustclarity.com

Next.js, NestJS, AWS (EC2, ECR, RDS, Lambda, EventBridge, SNS), Kafka, Redis, PostgreSQL, Stripe

- Lead the frontend team on a multi-service e-commerce/SaaS platform (Next.js), while personally owning AWS infrastructure and contributing across NestJS microservices.
- Designed the Stripe Tax migration and split-payment architecture, directed response to a supply-chain security incident, and built agentic AI automation (Claude Code hooks, MCP-based Jira workflows) and an AI governance/security CI-CD framework.

Continuity — Interactive Web Experience Builder

React.js, Motion.js, Three.js, GrapesJS

- Built a no-code builder for animated, interactive web experiences with drag-and-drop modules (Apple Music, YouTube) and real-time preview.
- Shipped one-click publishing with QR-code-based access control to prevent unauthorized copying and duplication.

WTX — B2B E-Commerce Platform worldtradex.com

React.js, Redux-Saga, GraphQL, Next.js, Node.js, Python

- Built an Alibaba-style B2B platform covering product listings, buying/selling, order management, and real-time delivery tracking.
- Defined and integrated inventory, payments, and authentication APIs with the backend team; optimized for high concurrency and cross-browser compatibility.

Guild — Decentralized Music Creation Platform (Web & Mobile) guildtogether.com

React Native, Expo, React.js, TypeScript, Tailwind CSS, Thirdweb, Web3 Storage APIs, NFT Marketplace

- Delivered AI-powered composition, track recording, and multi-source audio upload for a Web3 music platform where creators mint and monetize tracks as NFTs.
- Implemented NFT minting and marketplace listing via the Thirdweb Wallet Adapter and custom smart-contract flows, with shared, reusable components across web and mobile.

CyberHulk — AI-Powered Marketing Campaign Platform cyberhulk.com

Subscription-based SaaS · Google, Facebook, Instagram & YouTube Ads · AI-assisted campaign creation · SEO & Core Web Vitals

- Built a subscription-based platform for creating and publishing ad campaigns across Google, Facebook, Instagram, and YouTube, with both AI-assisted and manual campaign creation flows.
- Added website management for SEO and Core Web Vitals, giving subscribers a single dashboard to launch campaigns and track site performance.

EDUCATION

Master of Computer Applications (MCA) — Banaras Hindu University (BHU), Varanasi, India 2016 – 2019

CERTIFICATIONS & ACHIEVEMENTS

- AWS Certified Developer – Associate
- React.js Advanced Certification — Udemy
- Best Software Developer Award — Solulab (2022, 2023, 2024, 2025)
- Achieved 95% client satisfaction delivering secure, high-quality projects on time and within scope
- Mentored 10+ junior developers and interns, promoting reusable, scalable component design