

KARTIK TYAGI

Technical Lead | Solution Architect | Co-Founder & CTO

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EXECUTIVE SUMMARY

Technical Lead, Full-Stack Engineer, and Solution Architect with over 5+ years of experience delivering scalable software solutions across product startups and enterprise platforms. Proven track record of leading engineering initiatives, designing robust architectures, and deploying high-performance applications.

Expertise in modernizing legacy platforms, cloud infrastructure (AWS), microservices, and AI-assisted engineering using Cursor AI, Devin, OpenCode, and advanced models such as Sonnet, Opus, and Composer. Passionate about translating business requirements into scalable solutions, mentoring teams, and driving high delivery standards.

TECHNICAL SKILLS

- **Languages & Frameworks:** Java, Spring Boot, Node.js, TypeScript, JavaScript, NestJS, ExpressJS, React.js, Next.js, React Native.
- **Cloud & DevOps:** AWS (IAM, EC2, S3, Cognito, CloudFront, EKS, R2), DigitalOcean, Terraform, Jenkins, Firebase, Docker, Kubernetes, GitHub Actions, CI/CD, Jest.
- **Databases & Messaging:** MongoDB, PostgreSQL, Valkey, Sequelize, MySQL, Oracle Database, ClickHouse, DynamoDB, OpenSearch, ScyllaDB, and Tandem.
- **Architecture & Tools:** Microservices, REST APIs, GraphQL, Twilio, Postman, Jira, Swagger.io, WebSocket, Git, Proxmox, Grafana, Prometheus, Dynatrace, WebRTC.
- **AI, IDE and Models:** IDE: CursorAI, OpenCode, DevinAI, Windsurf, VSCode, IntelliJ, CoPilot. Models: Claude (Opus, Sonnet and Fable), CoPilot, SWE, GPT, Gemini, Grok and HuggingFace.

PROFESSIONAL EXPERIENCE

Technical Lead - Creospan, Pune

Oct 2025 – Present

- Reverse-engineered **25+ COBOL Pathway systems**, transforming complex legacy internals into scalable modernization and engineering strategies.
- Led **solution architecture and legacy modernization** across COBOL, Java, microservices, AWS, APIs, and enterprise messaging.
- Accelerated engineering through **AI-native** development using **CursorAI, DevinAI, OpenCode**, and advanced AI coding models.
- Innovated and designed a closed-loop engineering solution combining OpenCode AI, contextual learning, and automated validation for **COBOL-to-Java modernization**.

Senior Engineer - Creospan, Pune

Dec 2024 – Sep 2025

- Designed **solution architectures for enterprise** integrations, APIs, event-driven workflows, and system-of-record boundaries.
- Defined **end-to-end migration**, validation, security, and integration strategies for complex enterprise platforms.
- Delivered **enterprise integration** and deployment solutions using MuleSoft, AWS, IBM MQ, Terraform, and modern DevOps practices.

Technology Solutions Consultant - Artios Media Consulting Pvt Ltd, Hyderabad

sporadically

- Architected and delivered **BreachX, PrivilegeZero, CTEM, and Malware Bucket**, building cybersecurity and threat-intelligence platforms.
- Developed **Credibl** and **EthixFirst**, implementing scalable workflows for certificate generation, verification, workplace ethics, and compliance.
- Engineered full-stack and mobile solutions using **React, React Native, Node.js, APIs, cloud services, and bulk ops**.

Engineer - Grid Dynamics, Bengaluru

Sep 2023 – Mar 2024

- Engineered **scalable REST APIs and backend services** using NestJS, TypeScript, and Prisma, with a focus on maintainability and performance.
- Developed **responsive React.js applications** with MUI and integrated enterprise third-party services including Twilio and Intelics.
- Implemented **AWS-based deployment and CI/CD automation**, streamlining build, release, and production delivery workflows.

Associate Engineer - Mutual Mobile Pvt Ltd, Hyderabad

Feb 2021 – Aug 2023

- Implemented **REST API integrations, asynchronous workflows, state management, and third-party service integrations** across enterprise applications.
- Participated in **full-stack development, debugging, code reviews, Agile delivery, and production support** throughout the software development lifecycle.

Co-Founder & CTO - Adorway Pvt Ltd, Bareilly

Jan 2020 – Present

- Led technical architecture and delivery for **Orkaiva HRM**, designing scalable foundations for HR and workforce management.
- Architected **CopConnect**, enabling cybercrime assistance through expert discovery, secure communication, case collaboration, and mobile workflows.
- Built **SLR Astro and diverse client platforms**, leading architecture, development, integrations, deployment, and engineering team execution.
- EthicalLearner: Built and scaled an EdTech platform, driving backend architecture, product engineering, deployment, and end-to-end technical delivery.

KEY PROJECTS

- **Orkaiva (HRM)** — Architected a scalable **HR management platform** with modular services, workflow automation, multi-tenancy, and modern cloud-native infrastructure.
- **PrivilegeZero (Cyber Threat Intelligence)** — Developed a **cyber threat intelligence platform** for threat analysis, intelligence aggregation, investigation, and security operations.
- **BreachX (Cyber Security)** — Engineered a **cybersecurity and attack-resistance platform** connecting threat intelligence, vulnerability research, security researchers, and proactive defense capabilities.
- **Credibl** — Built a **bulk certificate creation and management platform**, automating certificate generation and streamlining large-scale digital credential workflows.
- **Malware Bucket** — Developed a **malware analysis and detection platform** for automated file analysis and security assessment.
- **CTEM** — Designed a **Continuous Threat Exposure Management solution** focused on discovering, prioritizing, and managing an organization's security exposure.
- **CopConnect** — Developed a **cyber-safety** platform for **ISAC Foundation** connecting users with cybersecurity/cybercrime assistance through a mobile-first experience.
- **EthixFirst** — Engineered a **workplace ethics and professional integrity platform** supporting certification, employee ratings, reporting, and career-protection workflows.
- **SLR Astro** — Built a **mobile consultation platform** supporting digital consultations, user workflows, and service delivery.
- **React-DevDotTo** — Created and published an **open-source NPM package** for React developers, focusing on reusable functionality and developer productivity.
- **Ananta** — Developed a **browser new-tab productivity extension**, providing a customizable homepage and personalized browsing experience.
- **ConstructionSafetyLine** — UK-based (construction sector) service provider in CSCS, Cards, Health and Safety, Courses, and HS&E Test.

EDUCATION

Bachelor of Technology (B.Tech) in Computer Science & Engineering

Lovely Professional University, Punjab | 2019 – 2021

HSC/Intermediate (12th), CBSE

Satyawati Memorial Academy, Bijnor, UP

CERTIFICATIONS

- **7.2k+** reputation and **5.2M+** reached — [StackOverflow.com](https://stackoverflow.com)
- **AMCAT Technical Certification** — Global Aspiring Minds - SHL
- **Competitive Programming Course** — CipherSchools
- **MongoDB Node.js Developer Path** — MongoDB Certification Program