

ANKIT REWAR

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Summary — Software Architect and Full Stack Engineer driving end-to-end System Design (HLD/LLD) for scalable, cloud-native ecosystems. Specializing in Next.js, Python, and microservices architecture, I engineer high-performance distributed systems and seamlessly integrate Generative AI solutions. As an active CNCF open-source contributor, I bridge the gap between complex infrastructure and enterprise-grade product delivery, ensuring robust, production-ready software that drives measurable business impact.

TECHNICAL SKILLS

Core Architecture -High-Level Design (HLD), LLD, Microservices, gRPC, GraphQL

AI/LLM -RAG (Retrieval-Augmented Generation), LangChain / LlamaIndex, AI Agents, Vector Databases

Languages -Golang, TypeScript, JavaScript, C++ , SQL, Java, Python

Frontend -Next.js, React.js, WebRTC, Tailwind CSS, ShadCN UI, HTML5

Backend -Node.js, Express.js, Socket.io, REST APIs, Apache Kafka, Redis, tRPC

Databases -PostgreSQL, MySQL, MongoDB, Prisma ORM, Neon (Serverless)

DevOps -Kubernetes, Docker, AWS / GCP, Terraform, CI/CD, E2B Sandboxes

Tools & Cloud -Git, GitHub, Clerk, Inngest, OpenAI API (LLM)

EXPERIENCE

DSTP TECHNOLOGY PRIVATE LIMITED

Feb 2026 – Present

Software Developer

- Architected an enterprise IoT administration platform using Next.js, driving High-Level Design (HLD) to govern real-time telemetry and AI model lifecycles.
- Engineered an event-driven microservices architecture to ensure seamless, real-time data orchestration between distributed IoT sensors and cloud-native backends.
- Deployed AI-integrated solutions for predictive analytics and automated system monitoring across cloud infrastructure, significantly reducing manual operational overhead.

CodSoft

August 2023 - September 2023

Software Developer Intern

- Engineered high-fidelity, responsive UI modules using JavaScript (ES6+) and CSS3, optimizing DOM manipulation strategies to ensure superior rendering performance across devices.
- Architected scalable RESTful API endpoints using Node.js and Express.js, implementing asynchronous data flows to handle dynamic content serving with minimal latency.
- Refactored core application components to enforce modular design patterns, significantly reducing technical debt and improving code maintainability for future scaling.

VOLUNTEER / OPEN SOURCE / PROJECTS

Open Source Contributor | Layer5 (Meshery)

Dec 2025 – Present

- Engineered high-performance cloud-native management plane UIs using Next.js and React, optimizing complex service mesh visualizations for global scalability and adoption.
- Spearheaded the refactoring of legacy codebases into modular Material UI components, achieving significant reductions in technical debt and optimizing client-side rendering performance.
- Managed Layer5 UI components while adhering to strict CI/CD pipelines within a distributed CNCF environment.

Smart Attendance System(Link)

Dec 2025 – Present

- Built a real-time biometric platform using React and FastAPI for high-speed processing.
- Developed an analytics dashboard to visualize attendance and automatically flag at-risk students.
- Optimized webcam data streams for fast and automated face recognition.

AI Website Builder (Link)

Nov 2025 – Dec 2025

- Built an AI-powered platform that transforms natural language prompts into production-ready full-stack web applications.
- Built an AI platform using Next.js and tRPC to turn text prompts into React components.
- Integrated E2B sandboxes for safe, real-time preview and interaction with AI-generated code.
- Managed complex AI workflows using Inngest and Prisma for efficient serverless scaling.

Sports Betting Platform(Link)

May 2026 – June 2026

- Built a scalable sports betting platform supporting Cricket, Football, UFC, Formula 1, Basketball, Tennis, Esports, and other live sporting events.
- Integrated real-time sports data APIs to deliver live scores, odds updates, match statistics, and betting markets with low-latency data synchronization.
- Designed secure wallet, transaction, and payout systems with role-based access control and fraud-prevention mechanisms.
- Architected a microservices-based backend capable of handling high concurrent traffic and real-time event processing at scale.

Drinked App - LinkedIn After Hours(Link)

June 2026 – Present

- Developed a LinkedIn-inspired social networking platform focused on nightlife, social gatherings, events, and community engagement.
- Built real-time feeds, user profiles, groups, event management, notifications, and social interactions using React Native and modern backend technologies.
- Implemented document sharing, media posts, location-based hangouts, event chats, and personalized content recommendations.
- Designed scalable architecture with real-time communication, push notifications, and cloud-native deployment strategies to support rapid user growth.

ChatConnect – Real-Time Video Communication Platform (Link)

May 2026 – June 2026

- Architected a scalable real-time communication platform using Next.js, TypeScript, Node.js, WebRTC, Socket.io, and Redis, enabling low-latency peer-to-peer video and messaging.
- Engineered random matchmaking, geolocation-based user discovery, gender interest filtering, and real-time text chat with efficient session management.
- Optimized signaling, connection handling, and responsive UI to deliver a seamless cross-device experience for concurrent users.
- Developed a comprehensive admin dashboard to manage users, moderation, reports, analytics, platform settings, and real-time monitoring.

EDUCATION

JECRC University, Jaipur

B.Tech - Computer Science and Engineering

Relevant Coursework: Data Structure and Algorithms, Database, Object Oriented Programming

Rajasthan, India

Sep 2022 - Present

ACHIEVEMENTS

- **Certified Meshery Contributor** – Awarded official Certificate and Badge for high-impact code contributions to the Layer5/Meshery (CNCF) ecosystem.
- **Meta Front-End Developer Professional Certificate** – Coursera
- **Mastering Data Structure and Algorithms** – Udemy
- **Full Stack Web Development** – Udemy
- **Graph data structure for CP** – Udemy