Rahul Kumar

Software Engineer — React Native + Full Stack — TypeScript, Node.js

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Software Engineer with 2+ years of hands-on experience building production React Native, React.js, Next.js, TypeScript, and Node.js applications. Experienced in mobile application development, API integration, realtime features, backend services, scalable SaaS platforms, authentication flows, performance optimization, component architecture, and end-to-end product delivery across frontend and backend systems.

Education

Polaris School of Technology (Starex University) **Aug. 2023 – Present**

B.Tech(CSE) - 7.91 SGPA *Gurugram, Haryana*

Relevant Coursework

- Data Structures
- Problem-Solving
- Operating Systems
- Algorithm
- DBMS
- System Design
- Computer Networks

Experience

ParindaTech Innovate **Oct 2025 – Present**

Full Stack Developer & Team Lead (Backend-focused) *Remote*

- Led end-to-end full-stack product development, building React/Next.js interfaces, React Native workflows, Node.js APIs, reusable components, integrations, and owning 90% of the production codebase while delivering a production-ready MVP within 15 days.
- Designed and deployed production Node.js services and AI-powered compliance workflows using REST APIs, RAG, LangChain, OpenAI APIs, Pinecone, and Neo4j.
- Built scalable file and document-processing workflows for PDF ingestion, structured data extraction, BRSR reporting, and compliance automation.
- Architected containerized microservices using Docker and AWS ECS, enabling scalable multi-tenant SaaS deployments and reliable production releases.
- Led technical strategy and architecture for a Healthcare SaaS platform, designing backend services, REST APIs, authentication and access-control workflows for hospitals, staff, patients, and consultants.
- Led cross-functional development and product teams while driving architecture decisions, feature delivery, roadmap execution, engineering quality, and stakeholder communication.
- Stabilized and enhanced a production platform through debugging, performance optimization, maintenance, and end-to-end feature delivery.
- Boosted API performance by 30% and reduced latency by optimizing MongoDB queries, implementing Redis caching strategies, and redesigning performance-critical services.

Adda247 **Apr 2025 – Oct 2025**

Software Engineer (Backend) *Gurugram, Haryana*

- Built and optimized Node.js asynchronous workflows processing datasets exceeding 1M+ records, reducing processing time and improving backend scalability and efficiency.
- Improved system throughput and reduced REST API latency under high-concurrency workloads by optimizing event-driven architecture and asynchronous processing.
- Designed event-driven backend workflows and data pipelines using AWS SQS patterns for large-scale asynchronous processing, reliability, and high-load production workloads.
- Contributed to microservice-based software architecture, improving scalability, modularity, maintainability, and separation of backend services.

Nexera Health **Jan 2025 – Apr 2025**

SDE Intern (Night Shift) *Gurgaon, Haryana*

- Optimized backend database architecture and REST API performance, improving system reliability and reducing application crashes by 40%.
- Developed React Native application workflows, integrated Node.js REST APIs, debugged production mobile issues, and improved application performance and reliability.
- Redesigned and optimized the dashboard UI/UX, increasing user retention by 25%.

ParindaTech Innovate **Jul 2024 – Dec 2024**

Frontend Developer *Bhagalpur, Bihar*

- Built and deployed full-stack product features, reducing development time by 20% while improving application stability and user engagement.
- Built an event-management and voting platform using Next.js, React.js, TypeScript, Node.js, REST APIs, and PayU third-party payment integration.
- Deployed and maintained humairaabayas.com with responsive design and Redux.js, reducing bounce rate by 25%.

Adaan Digital Solution **May 2024 – Aug 2024**
Web Designer Intern *ITO, New Delhi*

- Enhanced website performance through optimization techniques and efficient coding practices, leading to faster load times and better user experience.

The Ark Studio **Apr 2024 – June 2024**
Frontend Developer Intern *Remote*

- Built production React and React Native applications, reusable UI components, mobile workflows, API-driven experiences, and optimized application performance, reducing load times by 30%.

Projects

Warta AI – Human-like Conversational Assistant | *Node.js, React.js, LangChain, OpenAI API, Pinecone* **Mar 2026**

- Designed and built a full-stack conversational product with a Node.js backend, React.js interface, REST API integrations, memory management, and structured workflows.
- Designed **structured prompt pipelines** to simulate human conversational behavior and contextual understanding.
- Implemented **memory handling, context retention, and scalable data-access patterns** to improve multi-turn conversation continuity.
- Optimized LLM response quality by refining prompts and context handling, reducing generic outputs and improving personalization.
- Implemented vector-based memory (Pinecone) using embeddings to enable scalable context-aware multi-turn conversations.

Cloud Storage Platform (Drive) | *Node.js, Express.js, React.js, MongoDB, Redis, Socket.io, AWS(EC2)* **Dec 2025**

- Designed a scalable MERN cloud-storage platform with MongoDB, RBAC, REST APIs, permissions, and access control for concurrent users and large-file workflows.
- Implemented real-time chunked file-processing and upload workflows using Socket.IO, improving upload reliability by 40% for large files.
- Implemented Redis caching and optimized file retrieval and backend data-access patterns, reducing latency by 30% for frequently accessed data.
- Designed modular backend services for file metadata management, authorization, permissions, scalable storage workflows, and reliable data retrieval.

Pharmabolt – Healthcare & E-Commerce Platform (iOS) | Android | *React Native, Socket.io, Firebase* **May 2025**

- Led development of 70% of a live healthcare commerce platform, supporting real-time order workflows and improving app performance.
- Built 90% of Partner App with Blinkit-style real-time order dispatch, handling high-concurrency order workflows with low-latency synchronization.
- Designed scalable real-time backend communication using Socket.IO, reducing order-update delays and improving responsiveness under concurrent workloads.

Technical Skills

Languages: Java, JavaScript, TypeScript
Frontend: React.js, Next.js, React Native, TypeScript, Redux, Tailwind CSS, Component Architecture, Design Systems, Responsive Web Applications
Backend: Node.js, Express.js, RESTful API Design, Microservices, Distributed Systems, Software Architecture, System Design, Design Patterns, SaaS Architecture, Scalability, High-Concurrency Systems, API Optimization, Database Optimization, Caching Strategies, Authentication & Authorization, RBAC, Third-party API Integration, Event-driven Architecture (AWS SQS)
Databases: MongoDB, Redis
Cloud & DevOps: AWS (S3, EC2, ECS, Lambda, SQS), Docker
AI / GenAI: OpenAI API, LangChain (JavaScript), RAG Pipelines, Prompt Engineering, Pinecone, Neo4j
Tools: Git, GitHub, Postman, VS Code, CI/CD Workflows, Mobile Debugging, Release Workflows

Key Achievements

- Delivered a production-ready full-stack SaaS MVP in 15 days while owning architecture, APIs, critical implementation, and product delivery.
- Engineered scalable backend systems processing 1M+ records with optimized throughput, asynchronous processing, performance, and reliability.
- Owned 90% of the production codebase, leading backend architecture, performance optimization, and critical technical decisions.