

Rahul Arora

+91 9878736065 | rahularora2715@gmail.com | LinkedIn | Github

INTERNSHIP

Rakuten India

Bengaluru, India

Technical Intern

Mar 2025 – Present

- Built a comprehensive dashboard using React, Quarkus, and Couchbase to display campaign metrics and KPIs, enabling usage-based pricing for campaign management services.
- Implemented covering indexes for production queries, improving data fetching performance by 40% across backend services.
- Created 20+ component stories and unit tests for production application, achieving 85% code coverage and ensuring robust frontend functionality and code reliability.
- Contributed to migration of inter-service communication from NATS to Google Pub/Sub, supporting improved message reliability across backend microservices.

PROJECTS

Real-time Typing Game | Java, TypeScript, SpringBoot, React



- Developed a full-stack, real-time typing application, building a dynamic front end with React and TypeScript and a robust back end using Java and Spring Boot.
- Built RESTful APIs to manage single-player game sessions and integrated WebSockets to create a low-latency, real-time multiplayer experience.
- Orchestrated the real-time data flow for multiplayer games, enabling synchronous competition and immediate feedback between all connected players.

Real-time Video Chat Platform | JavaScript, TypeScript, Node.js, Express, React, React Native



- Designed a full-stack anonymous video chat application using React (Web), React Native (Mobile), Node.js, and Express, enabling real-time peer-to-peer connections between strangers worldwide.
- Integrated WebRTC technology for seamless video/audio streaming and Socket.IO for instant messaging and signaling, achieving low-latency communication.
- Crafted AI-powered features using Google Gemini API and Web Speech API for voice-to-text transcription and intelligent interest detection from user conversations.

Ethereum Supply Chain Management | JavaScript, Solidity, React



- Engineered a decentralized supply chain tracking system using React and Smart Contracts, ensuring transparent shipment monitoring.
- Deployed Solidity-based Smart Contracts via Hardhat and Remix, achieving automated supply chain verification.
- Leveraged ethers.js to create seamless blockchain interactions, enabling efficient transaction processing and data retrieval.

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, SQL, N1QL

Frontend Development: HTML, CSS, React, React Native, Vite, Vitest, Storybook, Expo

Backend Frameworks: Spring Boot, Quarkus

Developer Tools: Git, VS Code, IntelliJ Idea

DevOps & Cloud: Google Cloud Platform, Docker, Jenkins, Kubernetes

EDUCATION

Manipal University Jaipur

Jaipur, India

Bachelor of Technology in Computer Science & Engineering; CGPA: 8.11/10

Aug 2021 – Jul 2025

CERTIFICATIONS AND COURSES

Design and Analysis of Algorithms – NPTEL

Data Structures by UC San Diego – Coursera

Python Essentials 1 – Cisco

Python Essentials 2 – Cisco