# Rahul Soni

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## EDUCATION

**Sant Longowal Institute of Engineering and Technology**                     Sangrur, Punjab
*Bachelor of Engineering in Electrical Engineering*                     *November 2020 – June 2024*

## EXPERIENCE

**Full Stack Developer**                     Feb 2025 – Present
*AlphawareNext Technologies*                     *Mumbai, India*

* Backend Developer – (OTT Platform — 1.5M+ Users)
* Designed a scalable video upload pipeline with AWS S3 pre-signed URLs  multipart uploads, reducing server load by  70%.
* Secured streaming with CDN signed cookies + serverless functions, ensuring low-latency playback and preventing URL leakage.
* Optimized MongoDB queries  aggregation pipelines, cutting CPU usage from 100% to 10–15% and improving data retrieval speeds  65%.
* Reconfigured AWS MediaConvert (CBR $\rightarrow$ QVBR + H.264), cutting CloudFront costs by 45–50% and reducing user data consumption by  85%.
* Managed 5+ microservices with a custom API gateway, centralizing error logging and ensuring platform reliability.

**Full Stack Developer**                     April. 2024 – June. 2025
*JourneyHub*                     *Remote, India*

* Developed a full-stack travel platform using React, Node.js, Prisma, and PostgreSQL, deployed on AWS (S3 + CloudFront).
* Integrated Gemini API to generate AI-powered city overviews and trip summaries from user itineraries.
* Built key product modules including a Reels-style vertical video scroll for travel content and an analytics dashboard to track user engagement on itineraries.
* Implemented Redis-based OTP auth and caching, customized third-party whitelabels via advanced CSS overrides, and sourced compatible external APIs through in-depth documentation analysis.

## PROJECTS

**Summr-AI** | github | *Next, Tailwind, PostgreSQL, TRPC*                     Dec 2024 – Jan 2025

· Engineered a SaaS platform using the T3 stack and tRPC, enabling users to manage GitHub projects by integrating Octokit for commit polling and Gemini API for summarization.
· Implemented AI-driven summarization for repository files and folders, with vector embeddings stored in PostgreSQL for advanced query resolution.
· Integrated Assembly API for accurate audio meeting summaries and chapter generation.

**Open-Up** | github | *Hono, React, Cloudflare Workers, Postgres*                     April 2024 – May 2024

· Engaging user experience with seamless infinite scrolling, intuitive pagination, and smooth content transitions, enabling users to effortlessly share and explore unlimited content.
· Optimized backend performance and database communication, resulting in faster load times and a highly responsive platform, enhancing overall user satisfaction.

## TECHNICAL SKILLS

**Languages**: C++, SQL (Postgres), NoSQL (Mongodb), JavaScript, Typescript, HTML/CSS
**Frameworks**: React, Node.js, Next, Tailwind, Hono, Cloudflare workers
**Developer Tools**: Git, Docker, AWS, VS Code, Socket.io, Turborepo, Express

## TECHNICAL ACTIVITIES

* **Team Leader, AGRICT' S (Dummy Company Competition)**. Presented Agrict's elevator pitch and aligned strategy through close collaboration with team members.
* Prototyped a GenAI-powered intelligent mail system at Mumbai Hacks, the world's largest GenAI hackathon.
* Accomplished problem-solving expertise by successfully solving 200+ DSA problems across diverse platforms, demonstrating strong analytical and coding skills.