

Rishabh Varshney

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EXPERIENCE

RUNO — Software Development Engineer I · Cloud Telephony and Contact Center CRM Aug 2024 – Present · Hyderabad

- Built a cloud telephony platform that normalizes Twilio, Vonage, Telnyx and Airtel call events through one webhook layer, enabling single leg, dual leg and WebRTC browser calling for 20k+ users with no SIM or device dependency.
- Deployed an in-house Asterisk server in Docker on AWS EC2 for SIP signaling and media handling, sustaining 3k+ concurrent calls with 100% call recording stored in S3.
- Shipped 50+ features on an AWS Lambda backend in Node.js and TypeScript using the Serverless Framework, including role-based access, phone number masking for PII protection and SQS-driven Gemini AI analysis of 500+ calls per day.
- Instrumented structured logging, error-rate metrics and threshold alerts across the call pipeline using CloudWatch and Crashlytics, cutting production incident resolution time by 60% as on-call first responder.

R3Factory — Software Developer Intern · AI E-commerce Platform Feb 2024 – Aug 2024 · Remote

- Designed a multi-threaded Python and FastAPI pipeline that ingests 10k+ records weekly from 5+ sources into MongoDB, normalizing, deduplicating and enriching them with seller price history, lifting throughput 30% at under 5% failures.
- Automated customer support with a RASA NLP chatbot in Python, connected to a React storefront over WebSockets, resolving 200+ queries per day and lifting engagement 30%.

Otomator Technologies — Full Stack Developer Intern · HR Attendance and IoT Platforms Aug 2021 – Oct 2023 · Remote

- Developed a MERN attendance platform on AWS for 1200+ employees, ingesting web portal and RFID biometric check-ins and auto-generating daily CSV payroll reports, saving 70+ HR hours per month.
- Built the Node.js service layer for an IoT control system on AWS, connecting 50+ devices to a mobile app through event-driven MQTT pub/sub with token-secured webhooks, sustaining 99.9% availability.

PROJECTS

XEV Charging — Freelance · Next.js, TypeScript, Elixir, Go, AWS · x-ev.io Dec 2023

- Wrote an OCPP server in Elixir for charger communication and led 5 engineers building Next.js and Flutter apps on a Dockerized Go microservice backend on AWS with API Gateway, EC2, SQS and CloudFront.
- Scaled the OCPP server to 10k+ connected charge points and streamed real-time station status to 50k+ concurrent users at 2 to 10ms update latency, with frontend CI/CD on GitHub Actions and AWS Amplify.

Finaccru — Freelance · React, Redux, FastAPI, MySQL, GCP · finaccru.com Feb 2024

- Built the React and Redux frontend and a WebSocket chat layer with role-based views serving 100+ concurrent users, and co-built the FastAPI and MySQL backend on GCP in a team of 3.
- Integrated OCR extraction into a document review interface handling 500+ documents per day at 90% field-level accuracy, cutting invoice data entry time by 70%.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Go, Elixir, Dart, SQL (PostgreSQL), HTML5, CSS3

Frontend: React.js, Next.js, Redux, Flutter, Tailwind CSS, WebRTC

Backend & Cloud: Node.js, FastAPI, REST, GraphQL, AWS Lambda, API Gateway, Cognito, SQS, CloudWatch, MongoDB, Redis

Developer Tools & Testing: Git, GitHub Actions, Serverless Framework, Docker, Linux, Asterisk, SIP, MQTT, Selenium, Postman

EDUCATION

Kurukshetra University — B.Tech in Computer Science (AI & ML) · CGPA 8.66 / 10.0 Oct 2020 – Jun 2024