

Kanishk Mogalraj

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Summary

Full stack developer with expertise in front-end and back-end development, specialized in building robust websites.

Technical Skills

Frontend: React Js, Next Js, Recoil, Angular, Typescript, Javascript, TailwindCSS, WebRTC, Jest, Vitest, Shadcn UI

Backend: Node.js, Express.js, JWT, NextAuth, Redis, OAuth 2.0, Prisma (ORM), Kafka, Java, Spring Boot

Database: MySQL, MongoDB, PostgreSQL

Devops: Docker, AWS (EC2, S3 Storage, CloudFront Distribution - CDN), Cloudflare - Serverless Backend

Experience

Software Engineer II (SE2), Vertafore – Hyderabad, India

March 2024 – Present

- Built a robust **language preference feature** with dynamic UI and APIs, allowing agents to save and share their preferred language, enhancing multilingual communication and user experience.
- Developed a reusable **task reminders feature** UI in under **5 days**, which can send timely notifications to various associated features, enabling others to integrate their new features instantly and reducing their work by **10 days**.
- Implemented a **carrier questionnaire feature** that enables carriers to create and share custom questions during onboarding new agents, leading to a **70%** reduction in manual effort for **1 team**.

Software Engineer I (SE1), Vertafore

Sept 2022 – March 2024

- Engineered an end-to-end **document-sharing feature**, allowing customers to share up to **10 documents** at once by reusable components, leading to a **90%** decrease in user time and **21 days** of others work integration time.
- Revamped the entire dashboard by adding a **quick search feature** to track all customer activities in one view.
- Mentored **4 junior** developers, provided guidance for **2 teams**, and participated in code reviews for code quality.
- Refactored APIs from promises to RxJS observables, migrated JavaScript files to TypeScript, enhanced UI pages, and maintained **95% code coverage** on unit tests, which improved application overall performance.
- Technologies used - Angular, React, Node.js, Spring Boot, PostgreSQL

Software Engineer Trainee, Sears Holdings – Pune, India

April 2021 – April 2022

- Proficiently learned React.js and Node.js, contributed to moderate features, resolved bugs, and fixed customer-reported triages, which led to notable improvements in enterprise web functionality and speed.

Projects

ChatMate [\[Link\]](#) - React Js, Recoil, Express.js, Websockets, WebRTC, AWS S3, Redis, PostgreSQL, Docker

- Engineered a **WhatsApp clone** Real-time chat application with Google and GitHub OAuth 2.0 authentication, featuring global search for making friends, Notifications, and dedicated pages for chat and group management.
- Peer-to-Peer connection: Integrated a **video calling feature** with WebRTC, maintaining **30 FPS** video transfer.
- Configured a **signaling server** using Node.js and WebSockets (WS) for real-time communication.
- Utilized Recoil.js for state management, leading to a **30%** reduction in page loading time.
- Achieved **<1ms latency** per request by using Redis for in-memory caching.
- Integrated worker servers with messaging queues and pub/sub systems, which can scale to **1 million users**.

Ecommerce website [\[Link\]](#) - Angular17, RxJs, SpringBoot, JWT, MySQL

- Developed a highly scalable **Flipkart clone** app featuring debounce searching, **OTP authentication** using Twilio, JWT authorization, and secure payments by **Razorpay**.
- Created product catalog and shopping cart functionality, allowing users to remove items and adjust quantities.

Education

Lovely Professional University, Punjab, B.Tech in Computer Science, CGPA: 7.69

July 2017 – May 2021

Acheivements

- Developed **chat systems** in a ShipIt day competition and won '**Team that Learned the Most**' award in Vertafore.
- Served as a **Scrum Master** for **1 quarter** in 2024, handling additional responsibilities in driving Agile practices.
- Coding Ninjas certified as a **top performer** in Data structures and algorithms in 2020.