

# Kanishk Mogalraj

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## EXPERIENCE

### VERTAFORE | Software Engineer II (SDE-2) | Mar 2024 – Present

- Part of the Platforms - Carriers, Agents and Agencies
- Developed a **language preference feature**, enabling agents and agencies to share their preferred languages with carriers, enhancing multilingual communication using Angular17 and SpringBoot Java.
- Implemented **configuration rules** to restrict agents and agencies from sharing language preferences resulted in allowing carriers to manage **data sharing** and **enhance security** via permission controls.

### Software Engineer I (SDE-1) | Sept 2022 – Mar 2024

- Designed and developed a reusable, responsive **multiple file upload feature** with **full ownership** from concept to implementation, which supports various file MIME types, allowing users to share **10 documents** at a time, and triggers in-app notifications and emails across platforms, resulting in significant **user time and effort savings**.
- Revamped the entire dashboard page by adding a **quick search feature** from scratch to capture all carrier activities in one view.
- Upgraded the documents page UI to reduce **latency by 70%**, facilitating more efficient document review for carriers.
- Provided comprehensive **guidance and mentoring** to trainees and actively engaged in code reviews to improve code quality.
- Refactored APIs from promises to RxJS observables and JavaScript files to TypeScript, enhanced UI pages, created dynamic components for reuse, and maintained **95% code coverage** on unit tests, which improved application **performance**, **maintainability** and **robustness**.
- Technologies used - **Angular Js, React Js, Node.js, SpringBoot**

### SEARS HOLDINGS | Software Engineer Trainee | Apr 2021 – Apr 2022

- Proficiently learned React.js and Node.js, worked on an enterprise e-commerce application, contributed to moderate features, resolved bugs, and fixed customer-reported triages.

## PROJECTS

### CHATMATE | React Js, Recoil, Express.js, AWS S3, Redis, PostgreSQL

July 2024 [\[Link\]](#)

- Engineered a **WhatsApp clone Real-time chat application** with Google and GitHub OAuth 2.0 authentication, featuring global search for friend connections, Notifications, and dedicated chat and group management pages.
- Achieved **<1ms latency per request** by using Redis for in-memory caching.
- Integrated worker servers with messaging queues and pub/subs for event broadcasting, which can be easily scaled to **1 million users**.

### E-COMMERCE | Angular17, SpringBoot, Typescript, JWT, RxJs, MySQL

Jan 2024 [\[Link\]](#)

- Developed a highly scalable **Flipkart clone** app featuring debounce searching, **OTP authentication** using Twilio, JWT authorization, and **secure payments by Razorpay**. Incorporated **load balancer** and **API gateway** within microservices.
- Created product catalog and shopping cart functionality, including the ability to remove products and adjust quantities.

## SKILLS

### FRONTEND

- React Js • Next Js • Recoil Js • Angular
- Typescript • Javascript • TailwindCSS
- Bootstrap • Shadcn UI

### BACKEND

- Node.js • Express.js • Redis • JWT
- OAuth2.0 • Prisma (ORM) • Kafka
- Microservices • Java • SpringBoot

### DATABASE

- MySQL • MongoDB • PostgreSQL

### DEVOPS

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

### TOOLS

- Git • GitHub • Jira • Vercel

## EDUCATION

### LOVELY PROFESSIONAL UNIVERSITY

BACHELOR OF TECHNOLOGY IN  
COMPUTER SCIENCE

July 2017 – May 2021 | Jalandhar, India  
C.G.P.A - 7.69

## ACHIEVEMENTS

- Developed **DocBot** (Chat with documents) in a **Shipt day** competition and won '**Most innovation idea**' award in Vertafore in 2024.
- Served as a **Scrum Master** for one quarter in 2024, handling additional responsibilities in driving Agile methodologies.
- Coding Ninjas certified as a **top performer** in Data structures and algorithms in 2020.

## OTHER PROJECTS

- Snake Game [\[Link\]](#)
- Revenue Payouts Dashboard [\[Link\]](#)
- Money Transfer App [\[Link\]](#)
- Simon Say Game [\[Link\]](#)