

Gopi S

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TECHNICAL SKILLS

Languages: Java, TypeScript, JavaScript (ES6+), SQL

Backend: Java, Spring Boot, Hibernate, REST APIs, WebSocket, JWT, Maven, PostgreSQL

Frontend: React.js, Next.js, Redux, Zustand, TailwindCSS, HTML5, CSS3

Developer Tools: Git, GitHub, IntelliJ IDEA, VS Code, Postman, Docker, npm, ESLint

PROJECTS

Scalable E-Commerce Microservices | *Spring Boot, JWT, Redis, Docker, PostgreSQL*

[GitHub](#)

- * Built **microservices** (product, cart, user) **REST APIs**, designed to scale for **2000+ concurrent users**
- * Implemented **API Gateway** for centralized request routing and security enforcement, with **service registry** and **dynamic discovery** via **Eureka Server**.
- * Improved request handling capacity by **25%** using **Redis caching** under local load testing.
- * Integrated **authentication and authorization** using **JWT** and **Spring Security**.
- * Orchestrated all services and infrastructure (**API Gateway, Eureka Server, PostgreSQL, Redis**) with **Docker Compose** for one-step environment provisioning.

TalkSync | *Spring Boot, STOMP/WebSocket, JWT, PostgreSQL, React, Docker*

[Live Demo](#)

- * Developed a full-stack real-time chat app using **React, Spring Boot, PostgreSQL**, and **STOMP/WebSocket**, stress tested to support **3,500 concurrent REST users**.
- * Enabled live messaging, typing indicators, and presence via bidirectional **WebSocket** communication with support for **2,000 real-time STOMP connections**.
- * Added guest login with fake profiles and cleanup via Spring `@Scheduled` tasks.
- * Designed a **Telegram-style responsive UI** with **Tailwind CSS, shadcn/ui**, and a custom emoji picker.
- * Integrated **Spring Security** for stateless **JWT** auth and used **PostgreSQL** for persistent user/chat data.
- * **Dockerized and deployed** backend on **Render** and frontend on **Vercel**.

URL Shortener with QR & Analytics | *Spring Boot, React, PostgreSQL, JWT, ZXing*

[Live Demo](#)

- * Designed an **URL shortening service** with custom alias support and automated expiration controls.
- * Stress tested to handle up to **5,000 concurrent users** reliably under load.
- * Secured user workflows via **BCrypt**-hashed passwords, **JWT**-based sessions, and role-based access enforcement.
- * Captured and visualized **click analytics**—timestamps, IP geolocation, and device metadata—for insights.
- * Added on-demand **QR code** creation for each link using **ZXing**, enabling seamless offline sharing.
- * Developed a responsive **React/TypeScript dashboard** to create and manage short URLs.

Shop Co | *Next.js, React 19, TypeScript, Zustand, Tailwind, shadcn/ui*

[Live Demo](#)

- * Built a responsive fashion store frontend using **Next.js (App Router)**, **React 19**, and **TypeScript**.
- * Implemented **dark/light theme**, filtering, category browsing, and debounced search for smooth UX.
- * Managed global cart state and UI toggles with **Zustand** for efficient state handling.
- * Enhanced user experience with **Motion animations, Lucide icons**, and utility-first styling.
- * Deployed on **Vercel**; achieved excellent **Lighthouse scores** averaging Perf **97**, Access **96**, Best Prac **98**, and SEO **100**.

EDUCATION

Government Arts College

Bengaluru

Bachelor of Commerce (8.6 CGPA)

2022 – 2025

Nadaprabhu Composite PU College

Bengaluru

11th - 12th (82 %)

2020 – 2022

CERTIFICATIONS & COURSES

- **Spring Boot 3, Spring Security, Microservices, Docker** – Telusko
- **The Web Developer Bootcamp** – Colt Steele
- **JavaScript Algorithms and Data Structures Masterclass** – Colt Steele