# Ajay Sharma

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## TECHNICAL SKILLS AND INTERESTS

- **Languages**: JavaScript, TypeScript, C, C++, Python, HTML, CSS, Java, SQL
- **Frameworks/Libraries**: ReactJS, NodeJS, Spring Boot, React Native, Redux, React Query, Socket.io, TailwindCSS, ShadCN, React Native Lottie, React Native Reanimated, React Native Maps, GTK
- **Developer Tools**: Node, NPM, Yarn, Vite, Webpack, Git, Vercel, DigitalOcean, Firebase, Docker, Linux
- **Soft Skills**: Communication, Troubleshooting, Problem Solving, Team Management, Decision Making, Multitasking
- **Area of Interests**: Software Development, Backend Development, Frontend Development

## WORK EXPERIENCE

**React Native Developer Intern | RedPositive Pvt. Ltd.**　　　　　　　　　　**August 2023 - February 2024**

- Developed scalable cross platform apps using React Native, TypeScript and TailwindCSS.
- Implemented responsive design principles using Tailwind CSS.
- Integrated secure user liveliness verification during signup using Amazon AWS Rekognition.
- Reduced application loading time from 5 seconds to 2 seconds, resulting in 50% increase in performance.

## PROJECTS

**Guftgu | GitHub**

- Created and Deployed Guftgu, a cross-platform offline-first chat app which served 100+ users in testing phase.
- Automated the deployment process using GitHub Actions reducing post development time by 30%.
- Technologies: React Native, NodeJS, Express.js, Socket.io, Tailwind CSS, React Native Maps, MongoDB, WatermelonDB, Heroku, GitHub Actions.

**Code Pencil | GitHub**

- Developed and maintained "CodePencil," a React-based code editor platform inspired from CodePen.io, achieving 100% functionality in real-time code compilation and syntax highlighting capability using CodeMirror.
- Utilized TailwindCSS to ensure a responsive and consistent experience across the website.
- Technologies: ReactJS, CodeMirror, TailwindCSS.

**Spring Cart | GitHub**

- Designed and implemented a Spring Boot backend for a simple e-commerce website, integrating JWT-based authentication and authorization with Spring Security, resulting in secure and scalable user management.
- Technologies: ReactJS, Spring Boot, TailwindCSS, JWT Auth.

**Flying King | GitHub**

- Flying King is a cross-platform game inspired by the famous Android game Flappy Bird.
- Flying King game consists of a simple scoring system, which stores high score through React Native Async Storage.
- Incorporated a visually appealing and intuitive user interface (UI) using React Native components to enhance player engagement.
- Technologies: React Native, Async Storage.

**Musify | GitHub**

- Musify is a bloat free, simple to use Spotify Client with access to over 100 million Spotify songs library.
- Leveraged Spotify Web API for seamless actions such as fetching user's top 20 songs, or searching for songs.
- Users could search for additional tracks and play them directly within the intuitive interface.
- Technologies: ReactJS, NodeJS, ExpressJS, Spotify Web API.

**The Dear Diary | GitHub**

- Developed The Dear Diary, a GTK-based GUI diary management application service using C language.
- Implemented a simple user management system, storing user credentials encrypted in file format.
- Technologies: C Language, GTK(Gnome Toolkit).

**File Zipper | GitHub**

- Developed "fileZipper," a C-based application that achieved 100% accuracy in compressing and decompressing files using the libzip library, optimizing file management processes.
- Implemented file preview functionality within "fileZipper," enabling users to view the contents of zip files prior to extraction, improving user experience and efficiency by 20%.
- Technologies: C Language, Libzip Library.

## EDUCATION

**Echelon Institute of Technology**　　　　　　　　　　　　　　　　　　　　**July 2021 - April 2025**
Bachelor of Technology in Computer Science (BTech in CS)