

# Ravtej Singh

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## Work Experience

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### SDE Intern

01/2024 – 07/2024

Airtel

Gurugram, India

- Enhanced the Wynk Music platform's user interface, driving a 15% increase in user engagement and satisfaction.
- Optimized digital music streaming features using **React.js** and **Java Spring-Boot**, achieving a 20% boost in performance efficiency.
- Contributed to backend service development using Spring-Boot, improving API performance and maintainability.

### Software Developer

10/2022 – 12/2023

Züs (formerly OChain)

Remote, USA

- Core developer for their new rebranding website zus.network.
- Developed landing pages for five distinct products using React.js and integrated backend APIs using Java Spring Boot.
- Implemented the frontend for an in-house referral system (replacing the third-party service Viral Loops), improving referral tracking efficiency by 40%.

## Projects

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### Product Service Application 🌐

- Developed a Spring Boot Product Service with **RESTful APIs** and integrated **JPA**, **Hibernate**, and **MySQL** (on **AWS RDS**) for efficient product/category management and improving data operations by 40%.
- Improved performance using **Redis** caching, optimizing API response time from ~500 ms to ~5 ms and security using **AWS** security groups, and **Lombok** for cleaner code.
- Integrated Stripe for payments, gaining experience in e-commerce features, scalable architecture, and cloud deployment.

### Doctor-Patient Appointment System 🌐

- Built a secure appointment management system using **Node.js**, **Express.js**, **MongoDB**, and **AWS**, with RESTful APIs tested via **Postman** for reliable backend operations.
- Implemented LinkedIn-based authentication, real-time audio/video calling with **WebRTC** and **Socket.io**, and session management using **JWT** for secure and seamless communication.
- Integrated Razorpay for payments and Amazon **S3** for profile uploads, ensuring secure and scalable user interactions across the platform.

### Apple Landing Page Clone 🌐

- Developed an Apple landing page clone as a side project using **Next.js**, **Swiper.js**, and **SCSS**.
- Completed the project in 2 days, ensuring full mobile responsiveness and a smooth user experience.

### Zus.network Business Website 🌐

- Rebranded and developed the zus.network website using React.js for frontend, WordPress for CMS and Java Spring Boot for backend API integration, contributing to over 13 pages as a core developer.
- Optimized site performance, achieving a Lighthouse score of 90+ across all pages for improved speed and user experience.

### E-Studio 🌐

- Developed a responsive and dynamic e-commerce frontend, **E-studio**, using React.js, showcasing product listings, filtering, and cart functionality.
- Implemented clean component architecture with reusable UI elements, enhancing maintainability and improving user experience across devices.

## Skills

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**Frontend:** — ( JavaScript, HTML, CSS, React.js, Next.js, WordPress, Material-UI, Redux, Webpack ) |

**Backend:** — ( Java, Spring Boot, Spring Cloud, Redis, Node.js, Express.js, NoSQL, MySQL, Postman, AWS )

## Education

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### Master's in Computer Science

12/2023 – present

Scaler Academy

### Bachelor of Technology(ME)

07/2018 – 07/2022

Dr. Vishwanath Karad MIT World Peace University