

Jalaj Kumar Gaur

Senior Member Technical Staff

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Technical Skills

- **Frontend:** React.js, Next.js, TypeScript, Redux, Tailwind CSS
 - **Backend:** Node.js, Express.js, Nest.js, REST API, GraphQL
 - **Testing:** Jest, Mocha, Cypress, Cucumber
 - **DevOps & Cloud:** AWS (EC2, S3, CloudFront, Lambda), Docker, Kubernetes, CI/CD (GitHub Actions, Jenkins)
 - **Databases:** PostgreSQL, MongoDB, Redis
 - **Agile & Tools:** Scrum, Jira, Git, Webpack
 - **Tools:** VS Code, IntelliJ IDEA, Android Studio, XCode, Postman
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Professional Experience

Senior Member Technical Staff | Ziroh Labs – Bangalore, India

Feb 2024 – Present

- Led the development of a secure, end-to-end encrypted **mailing platform** using **React, Node.js, and AWS**, integrating seamlessly with Gmail & Outlook.
- Developed and maintained scalable **full-stack applications** using **React, Next.js, and TypeScript**.
- Built and optimized high-performance **REST APIs** to support millions of users.
- Designed and implemented **CI/CD pipelines** to automate testing and deployment.
- Created shared **JavaScript/TypeScript libraries** for reusability across projects.
- Actively contributed to **frontend architecture decisions** for scalability and maintainability.

Member Technical Staff | Ziroh Labs – Bangalore, India

Mar 2022 – Jan 2024

- Developed web applications with **React.js, Redux, and Next.js** for enhanced user experience.
- Integrated **AWS services (S3, CloudFront, Lambda)** for cloud-based solutions.
- Implemented **BDD and TDD methodologies** for robust software quality assurance.
- Provided production support, troubleshooting issues, and optimizing performance.

Projects

Secure Mailing Platform

- Built a **zero-knowledge encrypted mail solution** using **React, Node.js, and AWS**.
- Developed **custom React components** for an intuitive and seamless UI.
- Optimized performance with **server-side rendering (Next.js)** and **caching mechanisms**.

Sparrow

- Designed and developed **React-based product E2E Social Management tool** for seamless user interaction.
- Implemented scalable **microservices architecture** using **Node.js and AWS Lambda**.
- Improved CI/CD pipeline for **automated testing and deployment**.

Zunu Message

Live on Google Play: [Zunu Message](#)

- Developed and maintained a secure messaging app with default SMS integration, offering internet-based chats, stories, groups, and updates, all protected by zero-knowledge end-to-end encryption.
- Created features for fingerprint authentication, encrypted communication, and push notifications.

Education

Bachelor of Technology in Computer Science

Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal, MP

CGPA: 8.43