

Bhavik Charola

Senior Full-Stack Developer & Technical Lead

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EXPERIENCE

Technical Lead

Paytm Insurance | Oct 2023 - Present

- **Architected a next-gen front-end platform** for Paytm's **insurance project** using **Next.js**, significantly boosting scalability and performance for millions of users.
- Led the **development of reusable UI components** and a **design system** with **React.js** and **Storybook**, fostering **consistency** and **efficiency** across teams.
- Implemented **SSR** and **SSG** in **Next.js** for optimized performance and **SEO**, resulting in a 50% increase in organic traffic.
- **Developed a single-handed BFF (Backend for Frontend) layer** using **Nest.js**, streamlining data exchange between front-end and various external APIs for efficient, scalable integrations.
- Mentored a growing team of engineers, leading **technical workshops**, conducting **code reviews**, and setting high standards for clean, scalable code.
- Orchestrated the integration of **third-party payment gateways** and **insurance APIs**, improving data security and real-time processing speeds.

Senior Software Engineer

VectoScalar Technologies Pvt. Ltd. | Mar 2019 - May 2023

- **Revolutionized mobile and web app development** by consolidating SIMSIM's platforms into a **single unified architecture** using **React Native** and **react-native-web**, reducing development time by 40%.
- Designed and implemented a **robust admin panel** and **data analytics dashboards** with **Next.js** and **MUI**, enabling **real-time decision-making** and improving operational efficiency by 45%.
- Introduced **automated code generation** for the SIMSIM Seller Panel, cutting manual development time by 30% and empowering junior developers.
- Built a **monorepo** integrating **React.js**, **TypeScript**, **ESLint**, and **Prettier** for high code quality and maintainability across teams.
- Reduced **page load time by 30%** by implementing **Progressive Web App (PWA)** features, enhancing mobile app performance and increasing mobile engagement by 25%.

React Native Developer

CODEO LTD | Mar 2017 - Jan 2019

- Led the development of **ClockIT**, a **highly rated mobile app** for time tracking and project management, which saw a **40% increase in user retention** through seamless cross-platform experiences built with **React Native**.
- Drove **end-to-end app development**, from **UI/UX design** to **deployment**, ensuring apps met Google Play Store and Apple App Store guidelines, resulting in **5-star ratings** and widespread adoption.
- Optimized the app's performance by implementing **lazy loading**, **code splitting**, and **dynamic asset loading**, reducing initial load times by 35%.
- Delivered new features and functionalities in collaboration with product teams, enhancing the app's **user engagement** and creating a **personalized user experience** based on data-driven insights.
- Enhanced mobile app stability by performing thorough **unit testing** and **integration testing**, reducing crashes by 25% and ensuring high-quality releases.

Android Developer & Co-Founder

BinBytes | Apr 2015 - Jan 2017

- Co-founded **BinBytes**, developing market-leading apps for **media downloading** from platforms like **YouTube, Facebook, and Instagram**, achieving **50K+ downloads** and consistently ranking in the top 10 in the Play Store.
- Implemented **real-time analytics, push notifications, and offline media storage** features, significantly enhancing the app's **user experience** and **retention rates**.
- Integrated advanced features such as **Crash Analytics, Google Ads, and Google Maps**, improving **user engagement** and generating a steady stream of **revenue** via in-app ads.
- Led product development from initial concept through **app deployment**, delivering high-quality apps that kept up with platform updates and evolving user needs.
- **Optimized backend performance** by implementing **cloud storage** and **data syncing solutions**, ensuring users had smooth experiences even in low-connectivity scenarios.

TECHNICAL SKILLS

- **Languages:** JavaScript (ES6+), TypeScript, HTML5, CSS3, Sass, LESS
- **Mobile Development:** React Native, Expo, iOS, Android, **Native Modules**
- **State Management:** Redux, MobX, React Context API, Recoil
- **Mobile UI/UX:** React Native Paper, NativeBase, Tailwind CSS, MUI, Material Design
- **Testing:** Jest, Mocha, Detox, Enzyme, Cypress
- **Tools & Libraries:** Git, Webpack, Vite.js, ESLint, Prettier, Storybook, Fastlane, Bitrise
- **Performance Optimization:** Lazy Loading, Code Splitting, Bundle Optimization
- **CI/CD & DevOps:** Jenkins, GitLab CI, Docker, Kubernetes, AWS, Firebase
- **Other:** Agile/Scrum, Microservices, REST APIs, GraphQL, TDD, BDD, Unit Testing

ADDITIONAL HIGHLIGHTS

- **Performance Optimization:** Led front-end and back-end improvements, reducing load times and enhancing app performance by **30%**.
- **Tech Leadership:** Built high-performing teams through **mentorship, code reviews**, and fostering a collaborative development culture, resulting in improved **productivity** and **lower defect rates**.
- **Cutting-Edge Technologies:** Early adopter of **TypeScript, GraphQL, Next.js, and Serverless Architectures**, ensuring teams stay ahead of the curve.

PROJECTS

- [Code99.io](#) | **Tech Stack:** React.js, Next.js, Nest.js, Redux, React-Query, MUI
 - Built a **SaaS platform** for automated code generation. Users input requirements, and an **AI-powered engine** generates a corresponding **database schema**. The **code engine** then leverages **template-based logic** to produce fully functional code from the generated schema, streamlining the entire development process.
- [Iambhavik.com](#) | **Tech Stack:** Next.js, Sanity, Tailwind CSS, Google Gemini
 - Developed a **personal portfolio website** showcasing professional work, experiences, and projects.
 - Integrated a **real-time, audio-based AI assistant** powered by **Google Gemini**, allowing users to **speak directly** to schedule meetings and send messages, creating a highly interactive and engaging user experience.

EDUCATION

B.E. Computer, Gujarat Technological University | 2010-2014