# Harishiv Singh

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## SUMMARY

Senior Frontend Engineer with 6+ years of experience building scalable web, mobile and desktop products using React, Electron, Android and Flutter.

## EXPERIENCE

### WALRUS TECH INC. (YC S21)                                                    Bengaluru, India
**Senior Frontend Engineer**                                                    *June 2021 - Present*

**Affogato AI (formerly RenderNet AI)**
- Led frontend architecture for an AI creative platform using ReactJS, Redux, and Electron.
- Architected npm workspaces monorepo: component-library, api-client, video-editor-sdk.
- Designed timeline video editor with normalised state (clips/tracks) and performant selectors.
- Delivered cross-platform support (Web + Electron) with secure IPC and preload contextBridge.
- Developed canvas from Konva.js, later migrated to tldraw and implemented spatial indexing for performant rendering of 2000+ elements.
- Added Redux Persist + IndexedDB caching for 3–5× faster repeat loads.
- Optimised bundles: code splitting, lazy imports, memoized selectors; Webpack tuning.
- Testing stack: Jest, React Testing Library, Playwright, MSW; Storybook docs (component-library).
- Observability: Datadog RUM/logs, structured telemetry; reduced MTTR.
- CI/CD: Lighthouse in CI, GitHub Actions, Firebase Hosting; zero-downtime deploys.

**RoverX**
- Built NFT portfolio tracker for web (ReactJS) and mobile (Flutter).
- Added multi-wallet login (WalletConnect + ENS) and price alert system.

**Defy**
- Migrated Android app to Flutter, implemented Firebase Auth, Crashlytics, and SDUI.
- Integrated socket.io for real-time crypto updates and Hyperverge for KYC.

**Walrus**
- Built virtual card module in Kotlin with interactive animations and in-app cricket game for engagement.

### GLOBALLOGIC (A HITACHI GROUP COMPANY)                                       Noida, India
**Software Engineer**                                                           *July 2019- May 2021*
- Developed a corporate ride-sharing Android app using Kotlin + MVVM.

## EDUCATION

### BACHELOR OF TECHNOLOGY (COMPUTER SCIENCE)
GL Bajaj Institute of Technology and Management                                 *2015-2019*

## PROJECTS

### LEAF AI                                                                      GitHub
Universal LLM interface with Next.js + FastAPI, supporting OpenAI, Anthropic & Gemini, with real-time chat

### TRANSFORMER-PLAYGROUND                                                       GitHub
Browser-based ML playground using Transformer.js for client-side AI, no server needed

### VIDEO EDITOR                                                                 GitHub
React and TypeScript-based video editor SDK with real-time preview, timeline editing, and audio synchronisation.

## SKILLS

**Web:** HTML, CSS, JavaScript, TypeScript, ReactJS, Redux, Jest, Playwright, Webpack, Electron, MSW
**Mobile:** Flutter, Android, Kotlin, Coroutine, DI (Dagger), Jetpack, MVVM, Bloc Pattern
**Tools:** Firebase, RESTful APIs, Git, CI/CD Integration, Material UI, Datadog, App Engine, Cursor