

ABINASH KARMAKAR

Frontend Engineer and React Native Android Developer

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SKILLS

Languages: HTML, CSS, JavaScript, TypeScript, C, C++, Java, Rust, SQL.

Frameworks/Libraries: React, React Native, Next.js, trpc, Redux Toolkit, Zustand, Tailwind, React Query, Framer Motion, Zod, Shadcn, Lottie Animations, Socket.io, Pusher.js, Axios, Reanimated, Skia, [...more](#).

Tools: Git, Github, Node.js, npm, Prettier, ESLint, Postman, Vite, Vitest, Jest, VSCode, Figma.

Soft Skills: Leadership(Trained Interns), Teamwork(worked with other backend devs).

WORK EXPERIENCE

NexGino – Frontend Engineer

October 2023 – Present (Part Time)

- Achieved a **437% increase** in users for the React Native app [Masth](#) by improving UX & QR Scan-to-Pay system.
- Enhanced ad impressions by **80%** through the integration of Google AdMob and Unity Ads SDK in Masth.
- Introduced real-time notifications, leading to a **252% increase** in app open rates and user engagement.
- Increased user attention by **70%** and improved app performance by **225%** through implementing **Live Chat, Lazy Loading, Infinite Scrolling, and Shimmer UI** in a Video Streaming React App [Trapp](#) & [Trapp Creator Panel](#).
- Reduced failed uploads by **97%** by optimizing the video uploading experience through **video chunking**.

Codex India – Frontend Engineer

August 2022 – Present (Part Time)

- Built Sasta Prints, improving loading up to **270%** through the implementation of React Lazy Loading & Code Splitting.
- Increased user engagement by **75%** and boosted monetization by **60%** by integrating Google AdMob ads and incorporating in-app games in the Pixel Profits app.

PROJECTS

Quick PKT | [Link](#)

April 2024

- Launched a mobile recharge app (React Native), delivering performance that is **350%** faster than other similar apps.
- Recharge mobile, QR Scan-to-Pay system, money transactions, infinite scrolling and real-time notifications.
- Attained a **10% reduction** in recharge costs for users compared to other recharge apps.

Aurora & Aurora React | [Core](#) | [React](#)

October 2023

- Engineered a very fast C code highlighting libraries for the web, using Compiler Design, TypeScript, Vite, Vitest.
- Lightweight (**2.8KB**), **150% faster** than other libs, capable of highlighting **1000 lines in ~4ms**.
- Published npm package for the [core library](#) (**117 weekly downloads**) and a [React library](#) and made them available for use in TypeScript, ES Module, and CommonJS env. Try Aurora from try-aurora.vercel.app.

Weather App (React) | [Github](#) | [Live](#) | [weather-cli](#)

September 2023

- Integrated the AccuWeather and OpenWeatherMap APIs & implemented **Geolocation** API for location-based results.
- Optimized API calls by implementing **debouncing**, reducing them by approximately **3500%**.
- Achieved a page load time of **~700ms** through lazy loading Lottie animations and enhancing response speed by **170%** with **parallel data fetching**.

Scroll Observer | [GitHub](#) | [Live Example](#)

September 2022

- Created an easy-to-use lightweight (less than **1KB**) JavaScript library for animating elements as they scroll into view. Leveraged the Intersection Observer API for performance and customization.

Chromium Extension, English Dictionary App, CSS minifier, Beyond JavaScript Blog, [See All Projects](#).

ACHIEVEMENTS

Open Source : Contributed to improving **MDN Docs** by enhancing the section [Comparing Dates and Strings](#). [Merged PR](#)

LeetCode : Solved 500+ Problems. [Leetcode Profile](#)

EDUCATION

Bankura Unnayani Institute of Engineering

B.Tech – Computer Science and Engineering

Average GPA – 8.2

2026 Batch