

NIKHIL LAL PAWA

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Skills

- **Languages:** TypeScript, JavaScript, Java, CSS, Python, GoLang
- **Frameworks:** React, Redux, Tailwind, SCSS, Apollo Client
- **Tools:** VS Code, Git, GitHub, MongoDB, GitLab, Figma, Jira
- **IT Constructs:** Data Structures and Algorithms, OOP, Agile, Cross-Team Communication, Design System

Education

Indian Institute of Technology (ISM), Dhanbad
B.Tech in Electronics and Instrumentation Engineering
Graduation Year: 2020

Experience

DISH Network Technologies

Jan 2021 - Present, Senior Software Engineer

- **Design System Implementation:** Designed and implemented a system for **automated CSS generation from Figma designs**, utilizing the **Figma API** to extract design tokens (e.g., colors, typography, spacing) and convert them into SCSS variables. Resulted in a **4–6 day reduction** in development time per project and ensured **pixel-perfect design consistency**.
- **GraphQL API Migration:** Led the **migration from REST to GraphQL**, integrating **Apollo Client** for state management. Designed scalable GraphQL schemas to improve API efficiency **reducing data overfetch by 40–60%**, **improving API response time by 25–30%**, enabling developers to define **precise data requirements**.
- **In-App Purchase Integration:** Developed and deployed an **In-App Purchase feature**, allowing users to view and manage subscriptions. This initiative **With strong User engagement with 100K+ clicks and 1K+ upsells reduced customer support costs by 40–60%**, addressing an estimated **annual cost of \$1M**.
- **Performance Optimization:** Optimized app launch time by **20–25%** through **lazy loading** of network requests, leveraging **dynamic imports** and conditional API calls to defer non-critical data fetching.
- **Collaboration and Mentorship:** Collaborated with **Cross-Functional Teams** to deliver projects ahead of schedule. **Mentored junior engineers in React and GraphQL**, improving overall team performance.
- **Quality Assurance:** Enhanced code quality by integrating **Unit Testing Frameworks (Jest)** and conducting regular code reviews, leading to a **20% reduction in production bugs**.

DISH Network Technologies

Sep 2020 - Dec 2020, Software Engineer Intern

- **ROKU Development:** Explored and implemented **ROKU SceneGraph and BrightScript**, gaining hands-on experience in the building of ROKU applications.
- **Deeplink Implementation:** Contributed to the **implementation of in-app Deeplink** and enhanced general deeplink functionalities.
- **React Fundamentals:** Learned and applied **React fundamentals**, including **component-based architecture**, enabling the transition to modern **front-end development practices**.

Accomplishments

- Conceptualized, demoed and productized the **'More Like This'** feature during **Dish CodeFest 2022**, which was later integrated into the **Sling App**. **drove 1.3M clicks out of 3.6M impressions**, showcasing its impact and user appeal.
- Awarded the **Spot Award in July 2024** for the contribution in implementing monetization features towards all 10ftJS clients.
- Achieved a **LeetCode** rating of **1716 (Top 11.88%)** with **400+** problems solved.