Hrishikesh Rai

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EXPERIENCE

Glance   January 2021 – Present
Software engineer II   *Bangalore, IN*

Glance: An infotainment app for idle screen (lock screens)

- Created **Glance's first Smart TV application** for Samsung TVs, delivering sports, news and weather widgets.
- Migrated application's feed from list-based structure to circular linked list, **facilitating dynamic content updates (and ads injection)** with an improved glance feed experience.
- **Customized spatial navigation library** to enable faster navigation using remote. Re-amended existing implementation to **reduce input delay from 1.13s to under 500 ms.**
- **Enhanced application performance by 45%** resulting in smoother user experience and reduced memory foot print, **reduced janky frames by 36%, GPU usage by 57% on a low end (2 GB RAM devices)** fine tuned the animations, implemented pre-caching and lazy loading of images, added windowing technique for Glances that preemptively loads adjacent content, eliminating latency during user navigation and reducing overall memory consumption through efficient list rendering.
- Drove **revenue generation initiatives** by seamlessly integrating advertising through Google Ad tags, contributing to platform's monetization strategy.
- Created **live sports widgets for Samsung TV** (for US and India region) to display real-time match updates on Glance.

Studio: Glance's Content Publishing Platform

- Successfully **migrated ScreenSaver and Content Publishing platform from a legacy monolithic studio to a modern and scalable Next.js platform** incorporating comprehensive data validations to ensure reliability.
- Led the development of AI monitoring platform providing insights into data flow and glances ranking process.
- Developed UI for ML engineers to enable faster iteration to optimize and publish prompts.
- Developed a platform to manage AI generated glances. Designed both Frontend and Node.js APIs for publishing AI glances via Kafka.
- Developed Node.js APIs and corresponding frontend for video transcoding, leveraging Google Cloud Video Transcoder to optimize content delivery in accordance with user bandwidth.

Park+   Dec 2020 – Dec 2021
Software engineer I   *Gurugram, IN*

Park+: Super app for car owners

- Built landing page of Park+, and many other products like Car Wash, Car check-up, Discover (customer engagement platform), Challan, Sell Car in integration with Spinny and Car Dekho.
- **Built FASTag product along with my colleague in just 1 and half day, which resulted generating 1cr revenue within first month.**
- Did SEO optimisation for some of the products, **built around 200+ pages resulting from 7K impression per month to 28K in first 28 days (580K impression currently(2022).**
- Optimized performance of our website, **improved score from 18 to 55 avg. (hitting 70+ in some of the pages)** which improved our search engine rankings.
- Built our customer support page to resolve query of our customers resulting in **50% more customer satisfaction** in quick and maintainable fashion.

EDUCATION

RGPV University   Bhopal, In
Bachelors in Computer Science   *Aug. 2016 – May 2020*

TECHNICAL SKILLS

Languages: JavaScript, Typescript, C++, HTML/CSS/SCSS
Frameworks: React, Next.js, Node.js