

Nikhil Duttaroy

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SUMMARY

Front-end developer with expertise in React JS, Solid JS, React Native, and Next JS. I've been involved in projects like Video streaming platforms, Shoppable Video Commerce and have shown impact by creating custom reusable modules and reducing size of builds by 80% and enhancing performance by 3x. My expertise includes optimising performance and creating robust solutions for diverse client needs.

EXPERIENCE

Software Development Engineer

Reliance Jio

July 2022 - Present

- JioStream (<https://stream.jio/>):
 - Created a high-performance Shoppable video commerce platform using Solid JS and Next JS.
 - **Independently** designed and implemented the entire **analytics** framework, enabling performance monitoring and data driven decision making for clients.
 - Developed highly optimised (under 700kb) Widgets using Solid JS for seamless client integration. This involved crafting eight efficient widgets (around **100kb** each) to deliver core functionalities while increasing the performance by **3x**.
 - The Widgets handle **1Lakh+** daily requests across Web, Mobile and Television and have shown improved conversion ratio by **400%**.
 - Created a Player Module capable of handling **4k** Videos and adapting to users bandwidth in realtime.
- JioGames Watch (<https://watch.jiogames.com/>):
 - Involved in making of a multi-portal video/Live streaming platform using Solid JS, React Native, Next JS, React JS for user consumption Web and Mobile, creator content management, and admin control respectively.
 - Handled 4 Portals simultaneously and maintained its continuous development and deployment.
 - Leveraged framework-specific strengths to optimise performance and meet unique portal requirements.
- TIRA Cataloging Solution:
 - Developed a product cataloging system using React JS for a single-portal product upload and management platform.
 - Improved efficiency by **20%** by creating efficient flows of product management.
 - Implemented performant libraries to enhance user experience and application performance.

SKILLS

- Programming Languages: JavaScript, Python, SQL
- Frontend Development: HTML, CSS, React JS, Next JS, Solid JS, React Native
- Backend Development: Node JS, MongoDB, SQL
- Version Control & Collaboration: Git, Azure
- Design Tools: Figma
- Deployment & Infrastructure Management: Docker
- Cloud Platforms: AWS, GCP

PROJECTS

Voice Enabled E-commerce App

<https://github.com/Nikhil-Duttaroy/ShoopersLoop> • September 2022 - December 2022

TextCollabo

<https://github.com/Nikhil-Duttaroy/Online-Text-Collab> • December 2021 - December 2021

EDUCATION

Bachelor of Engineering

Mumbai University • Mumbai • 2022 • 9.6

- Awarded 1st Prize in Final Year Project Competition.

INVOLVEMENT

Technical HEAD

Pillai College Of Engineering • Alumni Association • May 2020 - May 2022

CERTIFICATIONS

Microsoft Technology Associate: Introduction to Programming using Javascript

Microsoft • 2020