

Arpit Bharti

SOFTWARE ENGINEER — experienced in fullstack development

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Skills

Experience

LANGUAGES

typescript, javascript, python, html, css, c++, sql

TECHNOLOGIES

react.js, next.js, node.js, nest.js, webtrtc, typeorm, postgresql, express, mongodb, stanza.js, xmpp, gitlab ci/cd, aws, github actions, git, bash, mercurial

Education

GGSIU

B.Tech

Information Technology
08/16 - 09/20

ANTILLIA

11/20 - now

REMOTE

FULLSTACK DEVELOPER

[typescript](#) [webtrtc](#) [react](#) [nextjs](#) [xmpp](#) [nestjs](#) [postgres](#)

- Core developer of two video chat web apps focusing on multi peer video calling(similar to google meet or zoom).
- Migrated a user facing application to Next.js to improve SEO and performance.
- Built multi client website deployment automation service using gitlab CI and vercel.
- Helped in maintaining our backend service and built telemetry services and helped develop admin dashboard website.

QUILLHASH

06/20 - 10/20

REMOTE

FULLSTACK DEVELOPER

[javascript](#) [express](#) [react](#) [mongodb](#)

- Primarily worked on the backend, building APIs for zeptagram, a crypto enabled music service. Also helped in maintaining the frontend web app.
- Implemented login flow for the frontend web app via various providers with two-factor authentication for users, improving the privacy of the application.
- Lead a major refactored in architecture to handle multiple types of assets held by artists.
- Introduced and implemented testing via Jest for the backend, improving coverage for core services.

MOZILLA

06/19 - 09/19

REMOTE

GOOGLE SUMMER OF CODE INTERN

[python](#) [javascript](#) [C++](#) [mercurial](#)

- Funded by Google to work for Mozilla and deliver improvements to the Firefox browser. Successfully shipped new features in Firefox 70 to millions of users.
- Implemented a service to automate the update of remote-settings resources (public-suffix-list).
- Developed a system to automatically fetch and reload the public-suffix-list, allowing users of old Firefox versions to get updates without upgrading to new versions.
- Improved the search bar and the cookie storage system.

SPLISYS

06/18 - 08/18

DELHI

BLOCKCHAIN RESEARCH INTERN

[solidity](#) [ethereum](#) [javascript](#) [html](#) [css](#)

- Developed a proof of concept system for supply chain management platform using the Ethereum blockchain.
- Solved problems related to streamlining the process of demurrage claims in the oil shipping industry, by deploying smart contracts.
- Integrating the remote ethereum systems with the locally stored data and internal tooling.

Projects

REACT HOOKS LIBRARY [↗](#)

A collection of 30+ react hooks and utilities, also built an accompanying documentation website that shows live react demos for all hooks.

AD RECOMMENDATION ON YOUTUBE VIDEOS [↗](#)

Senior year research project on the topic of ad recommendation on YouTube videos. Analysis of captions to generate product recommendations via keyword ranking algorithms. Analysis and comparison of string similarity measurement algorithms. Published research paper in Springer.

EXPENSE TRACKING APP [↗](#)

Application for tracking expenses of users fetched from an API, ability to comment and upload image receipts. Internationalization support Dark mode support.

Freelance

TOGGL HIRE

Working as a freelancer, creating quiz questions in several topics(javascript, typescript, react, python etc.) to help the toggl hire team build a online hiring tool.