

Bishal Karmakar

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EXPERIENCE

AVP of Engineering | ProjectX.cloud | Remote | February 2023 - Present

- **Spearheaded** the containerization of applications using Docker, which now supports 4 linux images within our infrastructure.
- **Championed** the development of a company website utilizing the Next.js framework making load time ~10% faster.
- **Administered** preliminary testing of Docker images on a Kubernetes platform within the AWS environment, which are now used across 2 departments within the company.

SKILLS

Front End: Typescript, React, NextJS, HTML, CSS, Tailwind.

Back End: Node.

Mobile: Flutter, Dart.

Deployment: Docker, Linux, AWS, Kubernetes.

Data: Mongo, Firebase, Postgres.

Other: Bash

PROJECTS

Portfolio | <https://github.com/BishalK007/portfolio/> | August 2023 - Present

NextJs | Typescript

- **Constructed** a single-page portfolio website utilizing Next.js, achieving a 98 accessibility rating on lighthouse.
- **Employed** TypeScript comprehensively to enhance type safety and performance, measuring 88 on lighthouse performance metrics.
- **Integrated** YAML parsing, enabling the handling of changeable data.

PromptBazar | <https://github.com/BishalK007/promptbazar> | July 2023 - October 2023

NextJS | Typescript | MongoDB

- **Engineered** a portal in Next.js and Typescript to share and store AI prompts, enhancing collaboration and creativity, allowing for 500 concurrent connections.
- **Incorporated** MongoDB for the database, ensuring data security and scalability, ensuring a CRUD rate of 100 per second.
- **Crafted** an intuitive and responsive design, which can potentially boost key performance indicators (KPIs) by approximately 83% (according to industry research).

Dream-Tracker | <https://github.com/BishalK007/Dream-Tracker> | July 2023 - July 2023

Flutter | Dart | Firebase

- **Established** the multi-user sync functionality in the Flutter app, enabling real-time collaboration and communication.
- **Leveraged** Firebase to integrate tracking features, enhancing user analytics and feedback.
- **Incorporated** a demo advertisement section with a 98 dataset, showcasing the app's potential revenue streams.

RHYTHM | <https://github.com/BishalK007/Rhythm> | August 2022 - December 2022

Flutter | Dart | Firebase

- **Designed** and **implemented** the audio streaming functionality for the mobile app using Flutter framework, which received good response by 100% of our test user base.
- **Developed** and **tested** the user interface of the audio player component, ensuring >90% usability and accessibility.
- **Integrated** a notification panel feature to the app, enabling users to interact with media.

EDUCATION

B.Tech in Computer Science Engineering | Academy of Technology | Hooghly, West Bengal | 3rd Year | (Expected Graduation: 2025)