Swayam Nayak Software Engineer

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SKILLS

Programming Languages
JavaScript, TypeScript, Golang, C++

Frontend
ReactJS, Redux, React Query, NextJS, Webpack, URQL

Backend
NodeJS, ExpressJS, Gin, GraphQL, Apollo Server

Styling
Styled Components, Material UI, SCSS / SASS, Bootstrap

Databases
MongoDB, MySQL, Redis

Tools
Git, Docker, NPM/Yarn, Postman, Ngrok

Core CS Fundamentals
Data Structures & Algorithms, OOP Concepts & Design Patterns, Networking, Relational Databases, Operating System

ORMs / ODMs
Mongoose, TypeORM, Prisma 2, GORM

PROFESSIONAL EXPERIENCE

Software Developer Intern, OfBusiness ⬈   May 2022 – July 2022 | India
- Worked on the internal admin tool called **Cipheradmin** for **Bidassist** (tender listing product by **ofBusiness**). **Bidassist Website** ⬈
- Fixed production bugs related to search filter, built dashboard for order management for **Government e-Marketplace**.
- Managed custom **ExpressJS** server built alongside **React + Redux** frontend for **Server Side Rendering** and migrated **Webpack 4** configuration to **Webpack 5.**

PROJECTS

URL Shortener and Manager | NextJS, MySQL, Prisma
- Built a URL Shortener application where users can shorten their URLs and history of shortened URLs (of authenticated users) are stored. The entire code is written in **TypeScript.**
- Used **NextJS** api-routes and edge function **middlewares** to build the **API** services and used **Prisma ORM** to store user info and shortened links to a **MySQL** database in one-many relation.
- Used **React-Query** library to query the api-routes and currently working on adding server-side rendering support

- **Source Code**: https://github.com/swayam-coder/url-shortener-nextjs ⬈

WeTalk | React, GraphQL (Apollo Server+URQL) , MongoDB, WebSockets
- A real-time group chat app where users enter a chat room with their email & password & chat with active members.
- Used **GraphQL Subscriptions** with **WebSockets** to implement real-time communication between server & client.
- The backend uses **apollo-server-express** with **graphql-codegen.** Built **schema-first GraphQL** schemas
- The frontend is built in **React** using **URQL** as a query client with **SWC** compiler for 29% faster builds than **Babel**.
- Currently shifting the server to **TypeGraphQL** to build **GraphQL** schema in a **code-first** approach.
- **MongoDB** is used as the database with **Typegoose ODM** in the data access layer.

- **Source Code**: https://github.com/swayam-coder/WeTalk ⬈

Memories App | NodeJS, React, MongoDB | Live Site ⬈
- Built a **MERN** Stack social media app using **React** with **Redux + Redux Thunk** and **Axios**.
- Developed **REST API** with **ExpressJS** for **CRUD** operations i.e. adding, updating, deleting posts to **MongoDB.**
- Added user authentication using **JWT**s (access/refresh token) & also added social login with Google.

- **Client-Side Code**: https://github.com/swayam-coder/memories-client ⬈
- **Server-Side Code**: https://github.com/swayam-coder/memories-server ⬈

EDUCATION

B. Tech, Electrical Engg, OUTR, Bhubaneswar   2019 – 2023

XII, CBSE, Kendriya Vidyalaya No.3, Bhubaneswar   2018 – 2019

X, CBSE, Kendriya Vidyalaya No.3, Bhubaneswar   2016 – 2017