

YASH P DEWANGAN

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Education

Indian Institute of Technology, Bhubaneswar

2019 – 2023

Bachelor of Technology in Electrical Engineering

Technical Skills

Programming Languages: C, C++, JavaScript, Python, Golang

Web Technologies/Frameworks: ReactJS, NextJS, ExpressJS, Django, NestJS, ElectronJS, TRPC, HTML, CSS, Jest

Tools & Technologies: Docker, Web-Socket, Kafka, Redis, Pub-Sub, GRPC, Protobuf, Prisma, MongoDB, Firebase, Git

Experience

Sapiens

June 2023 – Present

Full-Stack Developer

- Delivered component-driven **NextJS** R&D portals and a reusable library of **ReactJS** components, streamlining insurance workflows for policies/quotes/claims, resulting in enhanced code **reusability** and **developer productivity**.
- Optimized configuration-driven **NextJS** projects with pre-pushed dependencies, boosting **application performance**, **scalability**, and overall **developer experience** across multiple teams.
- Integrated **REST** and **GraphQL APIs** from various backend services and databases, enabling **seamless data flow**.
- Engineered **secure authentication** mechanisms using **NextAuth** with refresh and ID tokens, incorporating **Pub-Sub** for JFC forms token mapping, which **strengthened authorization** and minimized **security vulnerabilities**.
- Accelerated development cycles by leveraging in-house **low-code tools JFC and ACE** to build forms and APIs, applying **advanced JavaScript** expertise to solve complex problems and deliver features faster.

Gojek

May 2022 – August 2022

Backend Developer Intern

- Worked with transport taxi team managing Gojek's transport taxi **APIs** written in **Golang**, including integration of Bluebird and ComfortDelGro taxi systems
- Conducted comprehensive load testing with **Vegeta** on regression helper services, identifying **latency bottlenecks** and **breaking points** to optimize performance under high-traffic scenarios.
- Documented and proposed efficient **session key management solutions** with TTL using **Redis**, **Cron Jobs**, and **Goroutines with Mutex**, ensuring secure and uninterrupted API operations.

Projects

Auto-Task | 🌐 [GitHub](#)

ReactJS, ExpressJS, Kafka, Prisma

- Developed **Microservice architecture style web application** to perform automated actions like sending emails and messages triggered by **Webhooks**
- Built **primary backend server** managing signin/signup logic and autoTask creation, plus hooks server managing **webhook APIs**
- Developed trigger migrator and worker servers using **outbox pattern** with **Kafka** for data consistency and atomicity

Dev Hub | 🌐 [Live Demo](#) | 🌐 [GitHub](#)

NextJS, NestJS, WebSocket, Prisma

- Developed **NextJS** web application for live streaming with server creation and multiple channel types (text, voice, video, board) for user interaction
- Implemented **NextAuth** for authentication with credential signup and OAuth providers (Google, GitHub) for session and **JWT token** management
- Used **Prisma ORM** with MySQL database and **Zustand** for state management, integrated **Livekit** and **Liveblock** for streaming and live collaboration services
- Built **NestJS** backend server with **Socket.io** for real-time chat connections and developed **NextJS APIs** for CRUD operations

I-Manager | 🌐 [GitHub](#)

ElectronJS, ReactJS, SQLite

- Developed cross-platform desktop application for comprehensive business management with inventory, billing, and analytics features
- Developed intuitive UI components and logic using **ReactJS**, leveraging **MUI** for design.
- Architected **Electron** main process with **Prisma SQLite ORM**, implementing **tRPC** for type-safe IPC communication

Achievements & Activities

Recognition: Received the **WOW Award** from Sapiens for outstanding performance in 2024

Problem Solving: Solved **900+ DSA problems** on [LeetCode](#) and [GeeksForGeeks](#) platforms

Competitions: Won **2nd prize at General Championship** Webathon - IIT Bhubaneswar hackathon

Leadership: **Core Head** of Sponsorship team, Alma Fiesta (IIT Bhubaneswar's socio-cultural fest)