

Biswajeet Das

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Work Experience

Lightwork AI

Remote

Product Engineer (Lead)

JUNE 2025 - Present

- Architected and led a **zero-trust security model** across all microservices (signed JWT verified via JWKS), owned end to end from ADR to design.
- Built the real-time **WebSocket layer** end to end: the NestJS gateway and the client that consumes it.
- Built backend services across the **NestJS microservices stack**: TCP transport, Google Pub/Sub, Postgres, MongoDB, and Better Auth.
- Integrated **voice AI agents** to handle live calls, building the API and call-handling layer around the LLM.
- Co-led the migration to a modern **Next.js** stack (Tailwind, shadcn); set up feature flags and PostHog.

Novu

Remote

Software Engineer

SEPT 2022 - JUNE 2025

- Architected parts of Novu's core **workflow orchestration engine**: a multi-step pipeline across email, inbox, SMS, and chat with subscriber-preference evaluation.
- Shipped the new **Workflows API** (NestJS, CQRS-style use-cases), replacing the legacy notification-templates system; built the step-condition system on react-querybuilder + JSON schemas.
- Designed the global **subscriber preferences engine** end to end (DAL to use-case to worker to headless and node SDKs).
- Created **@novu/react** and **@novu/next** from scratch; **@novu/react** overtook the legacy **@novu/notification-center** in npm weekly downloads.
- Led **@novu/js**, cutting bundle size **85% (157KB to 21KB)** and **load time 86%**; rewrote **@novu/client** off axios onto native fetch.

Capital Numbers

Remote

Software Developer

MAR 2021 - AUG 2022

- Led the Front-End Development team for **Blink Payment**, a Payment Gateway as a Service app.
- Created the **Blink Pages service**, a fully customisable Payment page that can be used to create a professional-looking webpage for taking payments.
- Developed key **payment flows** like repeat payments, virtual terminals, bank mandates, and refunds.
- Used **React.js**, TypeScript, Material UI, and styled-components to create the UI.
- Set up **AWS CodePipeline** and CodeBuild for CI/CD automation, with deployments via Amazon S3 and CloudFront.

NetTantra Technologies (now Hyscaler)

Software Developer

JAN 2020 - JAN 2021

- Worked on a music streaming site **ZipDJ**, and implemented the majority of the UI of the site using React.js.
- Developed a **custom music player** module with functionalities like downloading and adding to a playlist.
- Integrated REST APIs and **ElasticSearch** on the FrontEnd to search/filter songs, increasing the site performance by **70%**, which further helped to increase the premium members count up to **2x**.

Skillset

- **Languages:** TypeScript, JavaScript, Python, Go
- **Libraries & Frameworks:** NestJS, Node.js, React, Next.js, Vue, Nuxt, SvelteKit, SolidJS, Tailwind CSS, WebSockets
- **Databases & Others:** MongoDB, PostgreSQL, Redis, Google Pub/Sub, AWS, Kubernetes

Education

College of Engineering Bhubaneswar

Bachelor of Technology, Computer Science and Engineering

AUG 2016 - AUG 2020