

# INDRANIL HALDER

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## TECHNICAL SKILLS

**Frontend:** React, Redux, NextJS, React Query, HTML5, CSS3, TailwindCSS, Bootstrap

**Backend:** NodeJS, Express, FastAPI, Django, REST API, Firebase, Supabase

**DevOps:** Git, GitHub, Microsoft Azure, AWS, Docker, Kubernetes

**Programming Languages:** JavaScript, TypeScript, Python, PHP, LaTeX

## WORK EXPERIENCE

### Full Stack Engineer - Open Source Contributor

November 2024 – Present

Kepler GL

New York, USA

- Improved Documentation and Code Examples: Updated the Kepler.gl documentation and code examples to enhance user experience and ensure clarity, making it easier for users to follow the guide.
- Resolved Post-Build Bug: Identified and fixed a bug in the kepler.gl utils package that was not detected by existing tests and checks, ensuring the solution worked seamlessly in a separate project after the build process.

### Full Stack Engineer

July 2024 – March 2025

Klarity AI

Florida, USA

- Revised the legacy code base and suggested and implemented improvements in the web application.
- Started from scratch and structured the whole code base from the start.
- Developed a Geospatial Analysis tool with AI to analyze and visualize geo spatial data.
- Created and managed PostgreSQL database for storing geo-spatial data in AWS RDS.
- Implemented Secure Authentication and Authorization using Clerk with NextJS Middleware.
- Created 17 custom typescript packages from Kepler GL to be used in the web application.
- Created custom visualization and annotation tool for Geospatial Analysis tool.
- Published all the packages on NPM with organization namespaces.
- Integrated Realtime Collaboration in the Analysis Tool with Socket.IO and WebRTC.

### Full Stack Developer

May 2024 – July 2024

Lata

Freelance – Remote

- Developed a feedback-sharing application enabling users to view individual links and comment their thoughts directly on each link's dedicated page.
- Manage and maintain the backend with Supabase.

### Frontend Developer

June 2022 – April 2024

Private AI

Toronto, Canada

- Designed a web demo tool with React, Redux, Bootstrap to streamline product demos for the sales team.
- Expanded tool accessibility to the public, drawing over 2,000 monthly users and boosting product engagement.
- Developed the web demo file support functionality by implementing a unique system where user-uploaded files are converted to base64 strings for backend requests, with responses subsequently converted from base64 to file format.
- Established a comprehensive CI/CD pipeline using GitHub Actions and successfully deployed the web demo to production.
- Engineered PrivateGPT's file upload feature, enabling users to query file content while ensuring utmost privacy for their data and messages.
- Engineered the full stack comparison tool for the sales team.

### Full Stack Developer

October 2021 – June 2022

Coder's Gyan

Remote

- Developed a full-stack web application tailored for the Coders Gyan YouTube channel, enhancing digital presence and user engagement.
- Collaborated in the conception and development of new projects, actively contributing to the ideation of innovative project concepts.
- Revitalized legacy code and diligently addressed bugs, enhancing the stability and performance of the project codebase.

## LEADERSHIP AND PROJECT MANAGEMENT EXPERIENCE

### Full Stack Engineer

Klarity AI

July 2024 – Present

Florida, USA

- Managed Sprint Boards: Efficiently created and maintained sprint boards to streamline project workflows.
- Task Assignment: Delegated tasks effectively to team members, ensuring optimal resource utilization and productivity.
- Facilitated Meetings: Arranged and conducted sprint planning and review meetings to align team objectives and assess progress.
- Tracked Progress: Monitored and documented the status of all sprint tickets, identifying areas for improvement and celebrating successes.
- Retrospective Analysis: Provided insightful feedback on sprint outcomes, highlighting what went well, what went wrong, and areas for enhancement.
- Interviewed Candidates: Conducted interviews for backend development positions, evaluating candidates' technical skills and cultural fit.
- Selected Candidates: Identified and selected the most suitable candidates for the role, ensuring alignment with team and project needs.
- Onboarded New Hires: Assisted new hires in getting familiar with the codebase and development processes, facilitating a smooth transition and integration into the team.

## PROJECTS

**Discord Clone** | *NextJS 14, TypeScript, SocketIO, Prisma, PostgreSQL, TailwindCSS*

Full Stack Developer

- A complete Discord clone with text, audio, and video group chat and single user one-to-one chat.

**DocuChat** | *Next JS V14, TypeScript, TRPC, Prisma, Langchain, GPT, Pinecone, Stripe*

Full Stack Developer

- Designed and developed a comprehensive SaaS web application enabling users to upload PDF files and engage in text-based conversations utilizing OpenAI, with extra features for paid customers.

**Breaddit** | *Next JS V14, React Query, TypeScript, Prisma, TailwindCSS, Shadcn UI*

Full Stack Developer

- Full Stack Next JS V14 Reddit clone with Next Auth (Google OAuth). Users can create subreddits, posts with fully featured WYSIWYG editor with image upload.

**ProShop** | *React, Redux, Redux Toolkit, NodeJS, Express, MongoDB*

Full Stack Developer

- A proper MERN Stack E-Commerce application with user and admin roles, authentication, admin functionality, and proper add to cart to the checkout process with PayPal Payment Gateway. The logged in users can buy products, rate a product and create reviews as well.

**DevSearch** | *Python, Django, PostgreSQL, Django REST Framework, AWS*

Full Stack Developer

- Built a complete full stack platform for developers to showcase their skills and projects and for recruiters to find good developers around the globe.

## ACHIEVEMENTS

### Frontend Engineer

Private AI

June 2022 – April 2024

Toronto, Canada

- Runner-Up in Company-Wide Hackathon: Developed a comparison tool featuring graphs and charts to compare our company's products with competitors. This tool assists customers in making informed purchasing decisions.

## EDUCATION

### University of Gour Banga

M.Sc. Physics

West Bengal, IN

Nov. 2020 – Jun 2022

### Balurghat College

B.Sc. Physics(Hons.)

West Bengal, IN

Jun. 2017 – Oct 2020