

# Frontend Developer Intern

## About the Assignment

We are seeking **Frontend Developer Interns (preferably 4th year students or recent graduates)** who can build **modern, scalable, and secure web applications**. This project will test not only your frontend engineering skills but also your ability to **integrate with a basic backend you create by yourself**.

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## Assignment Overview

You will build a **Scalable Web App with Authentication & Dashboard**, including a **basic backend to facilitate API requests**, within **3 days**.

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## Core Features to Implement

### Frontend (Primary Focus)

- Build with **React.js or Next.js**
- Responsive design using **TailwindCSS / Material UI / Bootstrap**
- Forms with validation (client + server side)
- Protected routes (login required for dashboard)

### Basic Backend (Supportive)

- Implement a lightweight backend using **Node.js/Express or Python (FastAPI/Django)**
- Create APIs for:
  - User signup/login (JWT-based authentication)
  - Profile fetching/updating

- CRUD operations on a sample entity (e.g., tasks, notes, or posts)
- Connect backend to a database (MongoDB/Postgres/MySQL)

## Dashboard Features

- Display user profile (fetched from backend)
- CRUD operations on the sample entity
- Search and filter UI
- Logout flow

## Security & Scalability

- Password hashing (bcrypt or similar)
- JWT authentication middleware
- Error handling & validation
- Code structured for easy scaling

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## Deliverables

1. Frontend (React/Next.js) + Basic Backend (Node.js/Python) hosted in a GitHub repo
2. Functional authentication (register/login/logout with JWT)
3. Dashboard with CRUD-enabled entity
4. Postman collection or API docs
5. Note on how you would **scale the frontend-backend integration** for production

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## Evaluation Criteria

- UI/UX quality & responsiveness
- Integration between frontend & backend
- Security practices (hashed passwords, token validation)
- Code quality & documentation
- Scalability potential (project structure, modularity)

## HOW TO APPLY

Send your resume and completed assignment (GitHub, portfolio, blog, etc.) along with the log files to **saami@primetrade.ai** and **nagasai@primetrade.ai** & **chetan@primetrade.ai** and cc to [sonika@primetrade.ai](mailto:sonika@primetrade.ai) with the subject:Frontend Developer Task

### Frontend Developer Intern

Candidates who advance will be notified within 3 business days. Don't wait – the most qualified candidates apply within the first 72 hours.

Ideal for: Recent graduates, bootcamp graduates, undergraduates, and crypto-native analysts who can demonstrate exceptional analytical ability.

Don't miss this rare opportunity to join a team that's redefining trading intelligence in the Web3 space. While others are analyzing historical data, you'll be shaping the future of crypto trading.

First come first serve, so get the task done asap