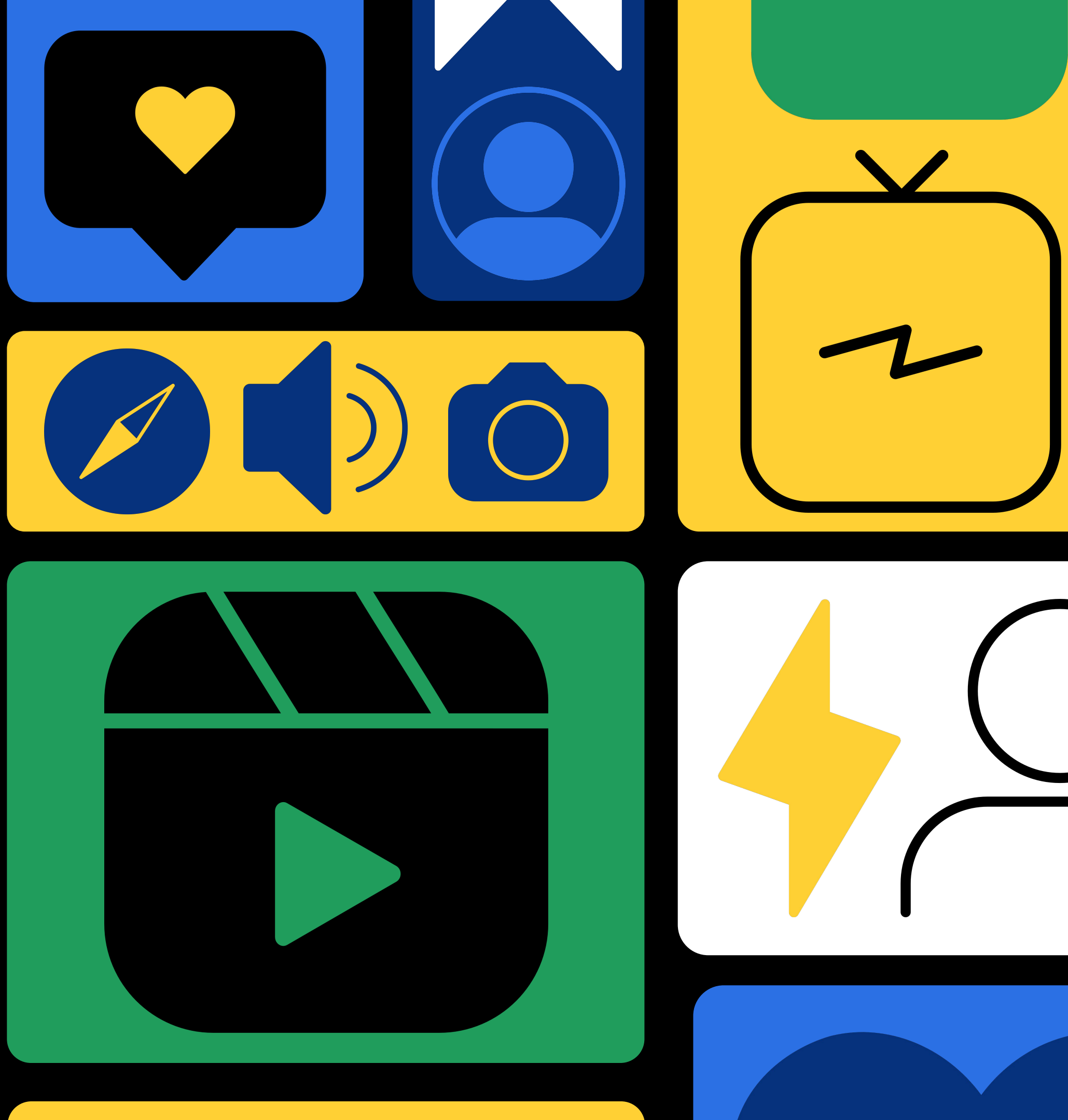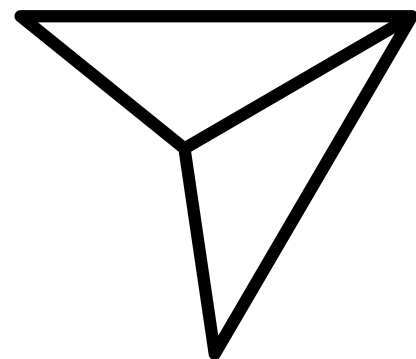# STUDLY!

Ben Edgar-Prosen

Okolie Anthony

Shashika Maldeniya

Shiv Bhagat

Hamed Esmaeilzadeh
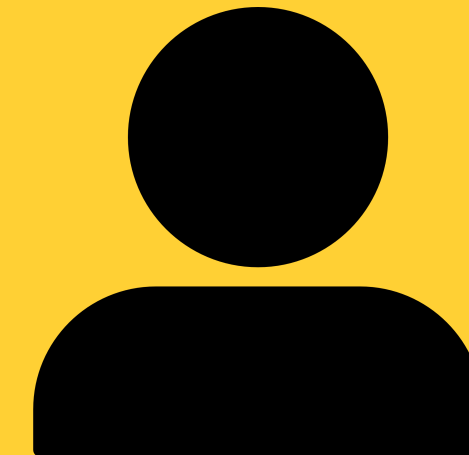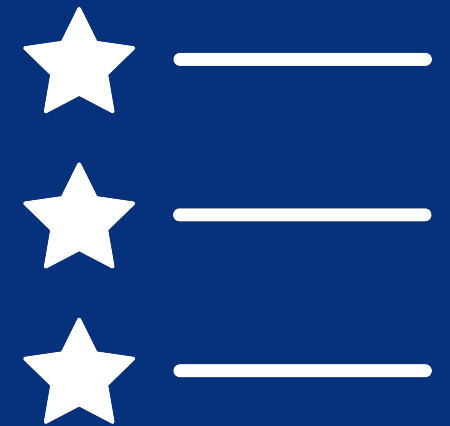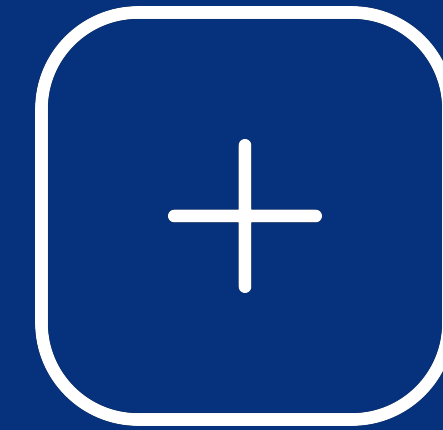
Application

What is Studly?

Accountability
- Gamified accountability platform that transforms mundane tasks and habits into engaging challenges
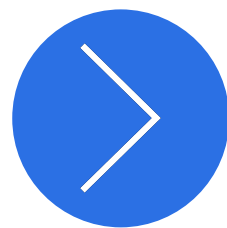
Challenges
- Students can create study challenges, earn badges, and track progress through an interactive system designed around academic success.

Who Needs This & Why

Target
Students struggling with study consistency

Problem
Strong initial motivation that fades after a few days

Gap
Current study tools lack the engaging, game-like elements and social accountability features needed to sustain motivation beyond the initial few days or weeks.

Key Features

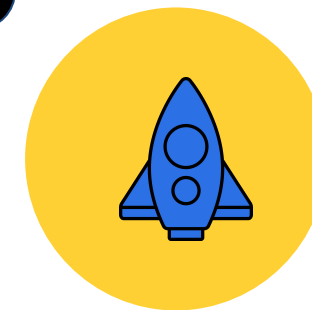## Beyond Basic Functionality

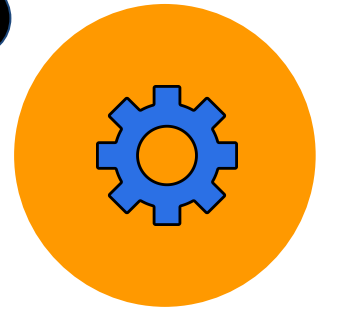Rewards for effective studying

Track sessions with friends

See peer accomplishments
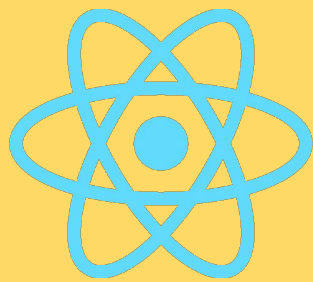
Friendly competition incentive

Enhanced accountability through groups

Tech Stack

Front end
ReactJS +
Typescript, Vite,
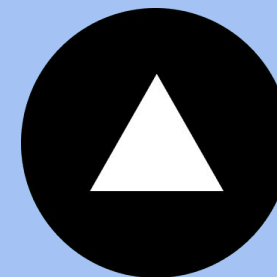Mantine

Backend
Node.js + Express

Database
PostgreSQL
Supabase

Front Host
Vercel

Back Host
Railway

Why this frontend?

React + TS

- React + TypeScript: Widely adopted, prevents bugs

Vite

- Fast development builds
- Rapid hot reload for development.

Mantine

- Consistent UI components for rapid development

Why this Backend + Hosting?

Railway
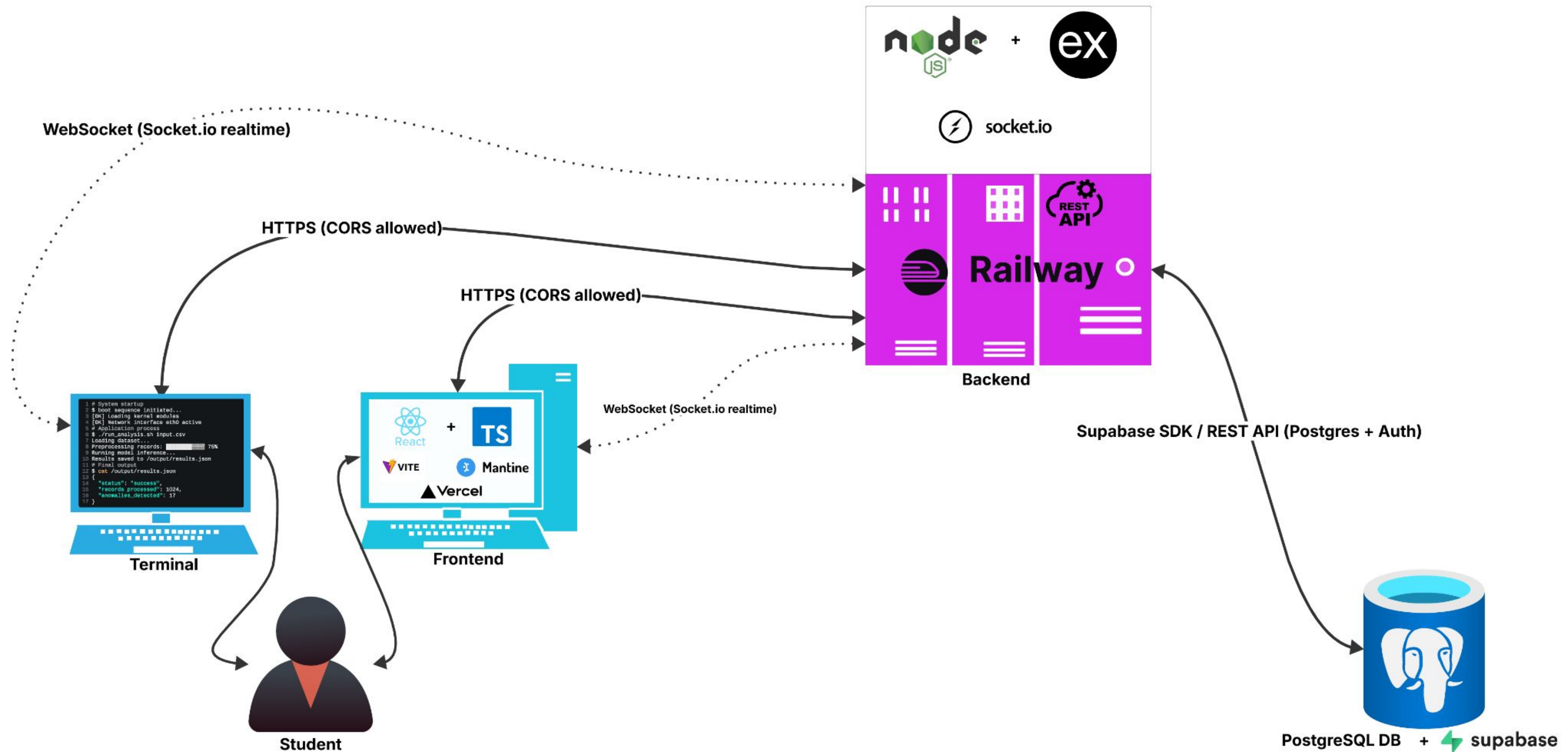
- Easy GitHub integration and good node.js support

Vercel

- Seamless frontend deployment with auto-updates

Supabase

- PostgreSQL + built-in authentication, generous free tier

Architecture Diagram

WebSocket (Socket.io realtime)

HTTPS (CORS allowed)

HTTPS (CORS allowed)

WebSocket (Socket.io realtime)

Supabase SDK / REST API (Postgres + Auth)

Backend

Railway

socket.io

Terminal

Frontend

React + TS

VITE

Mantine

Vercel

Student

PostgreSQL DB + supabase

THANK YOU!