Cloudflare Assignment

Important Links

1. Part 1 - The Build Challenge:
    a. Product built - **Cloudflare-cerebro** - https://cloudflare-cerebro.rahulpaul.net/
    b. Github repo link - https://github.com/paul-rahul/cloudflare-cerebro
    c. Cloudflare Products Used
        i. Pages - Frontend Hosting
        ii. Workers - Core Execution Layer
        iii. D1 - Structured Storage
        iv. Workers AI - AI Insights
        v. K,V Cache - Model Response and Data Refresh
2. Part 2 - Product Insights:
    a. Cloudflare-cerebro Features and Cloudflare products used:
    Product Insights
        i. Architecture: Link
        ii. Core User Persona: Link
        iii. Component Breakdown: Link
        iv. Dataflow: Link
        v. Design Principles: Link
        vi. Tradeoffs: Link
    b. Issues faced in using Cloudflare products:
        i. Friction Log: Friction Log
        ii. Prioritization of Issues faced: Link
    c. PRD for top Issue: PRD - D1 Observability Improvement

Salient Features of Cloudflare-cerebro (Product Feedback Dashboard)

- **Multi-Source Feedback Aggregation -** Unifies feedback from Support tickets, GitHub, Discord, email, and social channels into a single system of record
- **Real-Time Triage Dashboard -** An overview page with KPIs, trends, and “Needs Attention” alerts to help PMs quickly identify critical and high-urgency issues.
- **Workers AI-Powered Insights -** Automatically surfaces trending issues, recurring patterns, sentiment shifts, and feature opportunities using AI analysis
- **Advanced Filtering, Search, and Drill-Down -** Multi-dimensional filters, full-text search, and interactive charts that enable fast root-cause analysis and exploration
- **Business Metrics & Longitudinal Analysis -** Dedicated metrics views to track product health over time, compare periods, analyze sentiment and sources
- **Actionable, Shareable Outputs -** CSV exports, URL-based deep links, and consistent views designed for stakeholder updates, sprint planning, and reviews