

# Core Features

## 1. Uptime & API Monitoring

- Checks websites, APIs, or services every 1–5 minutes.
- Sends instant alerts if services are down.
- Optional: Track response time trends and uptime SLA reports.
- Delivery: Dashboard + Slack/Discord/Email notifications.

## 2. Webhook & Cron Job Failure Detection

- Monitors scheduled tasks and webhooks to ensure they execute successfully.
- Auto-retry failed jobs (optional).
- Logs failures for analysis.
- Alerts via Slack/Discord/Email immediately on failure.

## 3. Repo / Deployment Automation & Alerts

- Integrates with GitHub/GitLab/Bitbucket.
- Monitors pull requests, issues, and deployment events.
- Sends alerts on CI/CD failures.
- Dashboard view of repo events.

## 4. Custom Alerts & Notifications

- Multi-channel alerts: Slack, Discord, Email, Telegram, SMS.
- Conditional alerts for critical events.
- Optional escalation logic for teams.

## 5. Simple Dashboard & Logs

- Central dashboard showing:
  - Uptime status
  - Webhook/cron failures
  - Repo/deployment events
  - Analytics and failure trends

# Hybrid Architecture (Recommended)

## Rust Components

- Worker engine
- Uptime monitors
- Webhook processors
- Cron/scheduler
- Alert engine
- Queue consumers

## **Node.js / Next.js Components**

- Dashboard
- APIs
- User authentication
- Billing
- Frontend