Web Analytics

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The problem

Business Insight

X Businesses struggle to understand their website visitors

Existing solutions

Existing analytics tools are complex, slow, and privacy-invasive

Problem statement

➤ Data-driven decisions are hard without real-time insights

The opportunity



Demand



Privacy



Performance

Real-time Analytics Demand – Businesses need instant insights for quick decision-making.

Privacy-Focused Solutions – With GDPR and user privacy concerns, lightweight and transparent tracking is crucial.

Performance-Driven Architecture – Modern web applications need faster, efficient analytics that do not slow down their platforms.

The challenges on the way





Functionality







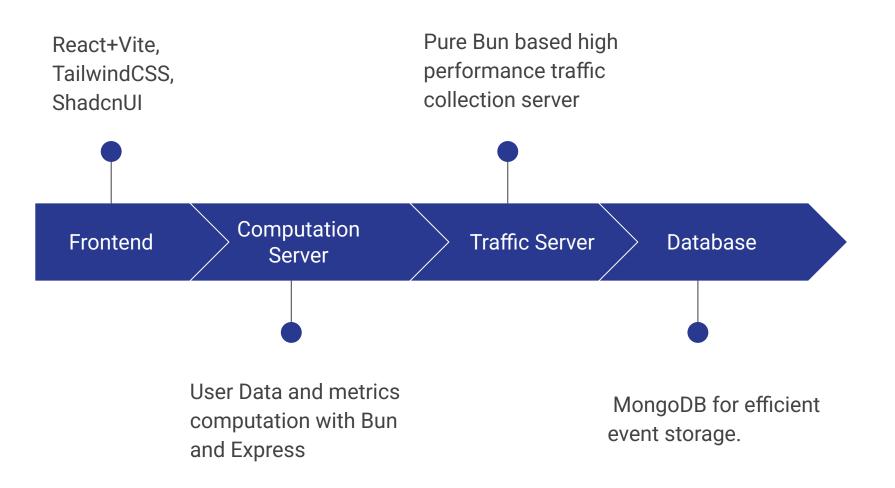
Simplicity &
Functionality –
Making analytics both
powerful and easy to
use.

Ensuring
Accuracy – Filtering
bot traffic and
maintaining reliable
data.

Solution

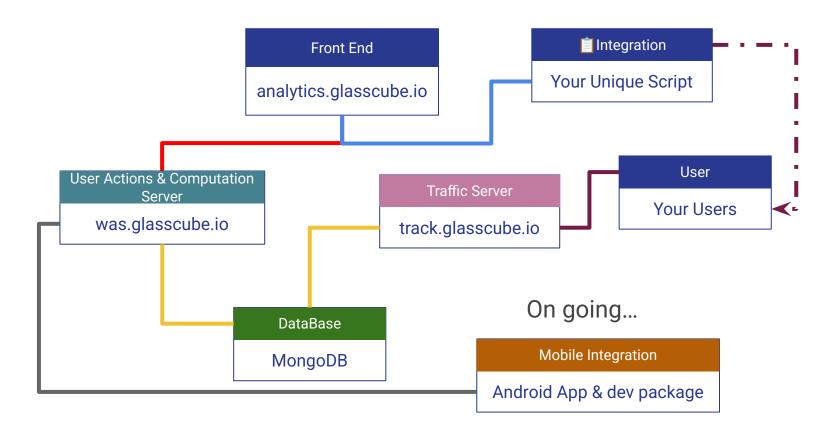
Web based traffic platform

- ✓ Lightweight Tracking Script –
 Minimal impact on website performance.
- Real-Time Processing Data updates instantly as users interact with the site.
- Minimal Dashboard Focus on key business metrics, not just generic stats.
- ✓ Privacy-First Approach No unnecessary tracking, GDPR-compliant.



Implementation

The Overflow



The Script

You copy and paste the script into your main html file and that is it!

It starts to work as long as your website or web platform is deployed.

analytics.glasscube.io Metrics 🕕

```
Integration Code 🖺
<script>
(function () {
  const analyticsServer = "https://track.glasscube.io/2
  const getSessionId = () => {
    const existing = localStorage.getItem("session_id")
    if (existing) return existing;
    const newId = "sess-" + Math.random().toString(36).
    localStorage.setItem("session_id", newId);
    return newId;
  const getDeviceType = () => /Mobi|Android/i.test(navi
  const sendAnalyticsData = () => {
    const loadTime = performance.timing.loadEventEnd -
    const data = {
      url: window.location.href,
      referrer: document.referrer,
      userAgent: navigator.userAgent,
      timestamp: Date.now(),
      loadTime: loadTime > 0 ? loadTime : 0.
      session_id: getSessionId(),
      deviceType: getDeviceType()
    navigator.sendBeacon(analyticsServer, JSON.stringif
  window.addEventListener("load", sendAnalyticsData);
```

3:45:00 PM

0:4E:00 D

E-00-00 DM 0-4E-00 A

3:00:00 PM

2-15-00 [

Team

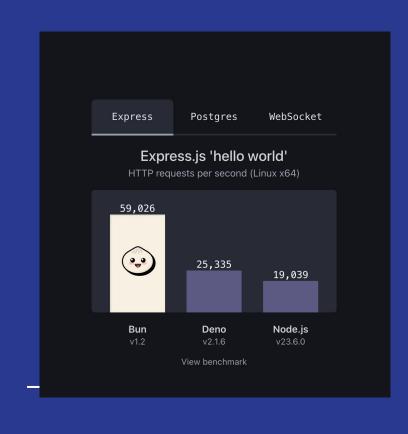
Our team is two people:
I handle backend, full-stack,
data analysis, and UI/UX,
while my teammate focuses on
Android development and
UI/UX. Together, we build a
fast, efficient, and user-friendly
analytics platform.





```
Last login: Sun Mar 30 14:36:50 on ttys024
 oha -z 5s https://track.glasscube.io
Summary:
 Success rate: 100.00%
 Total:
               5.0036 secs
               0.4339 secs
 Slowest:
 Fastest:
               0.1043 secs
 Average:
               0.1298 secs
 Requests/sec: 388.9178
 Total data:
               31.58 KiB
 Size/request: 17 B
 Size/sec:
               6.31 KiB
Response time histogram:
 0.104 [1]
 0.137 [1587] |
 0.170 [258]
 0.203 [6]
 0.236 [0]
 0.269 [0]
 0.302 [0]
 0.335 [0]
 0.368 [7]
 0.401 [5]
 0.434 [38]
Response time distribution:
 10.00% in 0.1080 secs
 25.00% in 0.1123 secs
 50.00% in 0.1196 secs
 75.00% in 0.1274 secs
 90.00% in 0.1488 secs
 95.00% in 0.1607 secs
 99.00% in 0.4237 secs
 99.90% in 0.4326 secs
 99.99% in 0.4339 secs
```

Results & Performance Metrics



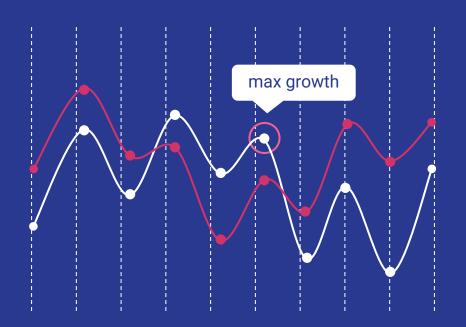
Impact

Setter Data

Real-time insights for data-driven decision-making

Privacy-first analytics without third-party tracking.

Faster, more cost-efficient alternative to existing solutions.



Ongoing and future work

Android App – Native mobile platform to monitor analytics on the go.

Al-Powered Insights – Automated recommendations based on user behavior.

More Integrations – Support for e-commerce, SaaS, and CMS platforms.

Thank You!

analytics.glasscube.io

Your next open source friendly tool!

