**Load Test Report: youbloomconnect.com (show creator)**

**Concurrent Users:** 500  
**Spawn Rate:** 2 users/second

**Test Condition: Does not appear to have traffic**  
**Test Duration:** 5 minutes  
**Host:** https://www.youbloomconnect.com

**1. Executive Summary**

* **Total Requests:** 13,797
* **Failures:** **1 (0.007% failure rate)**
* **Throughput:** **45.37 requests per second (RPS)**
* **Average Response Time:** **3,468 ms (~3.5s)**
* **Max Response Time:** **48,250 ms (~48s)**
* **Critical Failure:** **1× HTTP 502 (Bad Gateway)**

**Conclusion:**  
✅ **System is highly stable** under 500 concurrent users (99.993% success rate).  
⚠️ **Performance bottleneck detected** (90th percentile at **7.9s**).  
🚨 **One 502 error** suggests intermittent backend instability.

**2. Detailed Performance Analysis**

**A. Response Time Distribution**

| **Percentile** | **Time (ms)** | **Interpretation** |
| --- | --- | --- |
| **50% (Median)** | 2,900 | Half of requests complete within **2.9s** |
| **90%** | 7,900 | Worst 10% of requests take **>8s** |
| **Max** | 48,250 | One extreme outlier (**48s**) |

**Key Observations:**

* **Consistency Issue:** 90th percentile (7.9s) is **2.7× slower** than the median (2.9s).
* **Outlier Alert:** The 48s response indicates **resource starvation** (DB deadlock? API timeout?).

**B. Throughput (RPS)**

* **Peak Throughput:** 45.37 RPS
* **Theoretical Maximum:**
  + 500 users × (60s / 3.5s avg response) ≈ **85 RPS** (current: **53% of capacity**)

**Optimization Opportunity:**

* Improve response times to achieve higher RPS.

**C. Failures**

| **Count** | **Error** | **Likely Cause** |
| --- | --- | --- |
| 1 | 502 Bad Gateway | Backend service crash or timeout |

**Recommendation:**

* Check server logs during the test for:
  + Nginx/Apache error.log
  + Laravel application logs (storage/logs/laravel.log)
* The 502 error hints at:
* CPU exhaustion
* OOM (Out-of-Memory) kills