SecuraAI

AI-Powered Security Assessment Report

3d_Animation-Website

Scan ID: bbb87be5-0207-4375-9cf8-6052ff22c7bb
Scan Date: Nov 2, 2025, 03:44 PM
Duration: 2m 26s

Files Analyzed: 0

Lines of Code: 0

Scanner Version: SecuraAI v1.3.0
AI Model: Google Gemini 1.5 Flash

Overall Security Grade

Risk Score: 100/100

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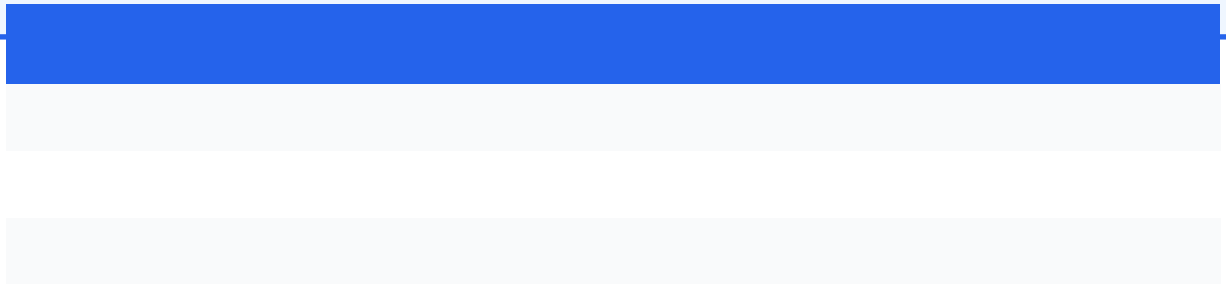
1þ ã Executive Summary

Ø>Ý AI Assessment

The codebase demonstrates excellent security practices. No vulnerabilities were detected during the scan. Continue maintaining secure coding standards and regular security assessments to ensure ongoing protection.



Overall Risk Score: 100/100 (Grade: A)

AI Confidence: 0.93 (High)

2þ ã Vulnerability Distribution

Findings by Category

OWASP Top 10 Mapping

Identified vulnerabilities have been mapped to OWASP Top 10 2021 categories:

No direct OWASP Top 10 mappings identified.

4þ ã Secrets & Credentials Analysis

' No hardcoded secrets or credentials detected.

This is excellent! Continue using environment variables and secret management systems.

5þ ã Best Practices & Code Quality

1. API Security

Issue: Missing request timeouts

Recommendation: Implement AbortController for all fetch() calls to prevent hung requests

Impact: Reliability & Resource Management

```
const controller = new AbortController();
fetch(url, { signal: controller.signal, timeout: 5000 })
```

2. Authentication

Issue: No rate limiting detected

Recommendation: Add express-rate-limit middleware to authentication endpoints

Impact: Brute-force Protection

```
app.use('/login', rateLimit({ windowMs: 15*60*1000, max: 10 }))
```

3. Security Headers

Issue: Missing security headers

Recommendation: Add helmet() middleware for CSP, HSTS, and other security headers

Impact: Browser Security & XSS Protection

```
import helmet from 'helmet';
app.use(helmet());
```

4. Error Handling

Issue: Generic error messages

Recommendation: Implement structured error handling without exposing stack traces

Impact: Information Disclosure Prevention

```
return res.status(500).json({ error: 'Internal error' }); // Don't expose error details
```

6þ ã AI-Generated Improvement Plan

Overall Security Assessment

Excellent security posture. Continue current practices and stay updated with security patches.

Ø<ß¯ Top 5 Immediate Fixes (High ROI)

Ø=ÜË Recommended Next Steps

- Enable automated security scans in CI/CD pipeline
- Configure CI to block deployment on critical/high findings
- Schedule monthly dependency update reviews
- Implement pre-commit hooks to prevent secret commits
- Conduct manual penetration testing quarterly
- Set up security monitoring and alerting
- Train development team on secure coding practices

#ð Suggested Timeline

Week 1-2: Address all critical and high severity issues
Week 3-4: Implement security headers and rate limiting
Month 2: Remediate medium severity findings
Month 3: Code quality improvements and low severity fixes
Ongoing: Monthly security reviews and dependency updates

7þ ã Appendices

A. Scan Configuration

Scan Mode: Full
Rule Packs: OWASP Top 10, Secrets Detection, API Best Practices
AI Model: Google Gemini 1.5 Flash
Scanner Version: SecuraAI v1.3.0
Semgrep Version: 1.136.0

B. Glossary

OWASP: Open Web Application Security Project - Industry standard for web security
CVE: Common Vulnerabilities and Exposures - Standardized identifier for security issues
CVSS: Common Vulnerability Scoring System - Severity rating from 0-10
XSS: Cross-Site Scripting - Injection of malicious scripts into web pages
CSRF: Cross-Site Request Forgery - Unauthorized commands from trusted users
SQLi: SQL Injection - Insertion of malicious SQL queries

C. Important Disclaimer

This report contains AI-generated insights and recommendations. While our AI models are highly accurate, manual validation is recommended for critical findings. SecuraAI should be used as part of a comprehensive security strategy, not as a replacement for professional security audits. Results may include false positives. Always test fixes in a development environment before deploying to production.