Audit Report: Avaleht - Restate

Website: https://restate.ee/
Date: 16.09.2026
Audit Coverage: 100% — all sources returned data
Confidence: high

Pages Audited (5 of 5):

- https://restate.ee/
- https://restate.ee/privacy-policy
- https://restate.ee/ettevote/blogi
- https://restate.ee/varahaldus-kuidas-hoida-kinnisvaraportfell-toos
- https://restate.ee/aripinna-uurimine-viis-asja-mida-enne-lepingu-allkirjastamist-kontrollida

Summary of results

Overall Score: 72 / 100
Status: Needs Improvement

Site overall 72 is the mean of 5 pages. Scores range 68 (https://restate.ee/ettevote/blogi) → 78 (https://restate.ee/). Weakest page: Mobile performance (83) is dragged down by a 4.2 s LCP, exceeding the 4 s 'poor' threshold despite a 99 desktop score. Security headers are completely absent (0/100), missing baseline protections like HSTS. Accessibility is mostly strong (95) but fails touch target sizing (0.00 score). W3C validation shows 7 script errors from plugin configuration. The site is a commercial real estate blog with no auth/payment risk, lowering CSP priority.

Per-page scores

 Needs Improvement · https://restate.ee/

Score	Performance	Accessibility	Best Practices	SEO	Security
78	93	95	100	92	0

 Needs Improvement · https://restate.ee/privacy-policy

Score	Performance	Accessibility	Best Practices	SEO	Security
71	78	95	100	100	0

 Needs Improvement · https://restate.ee/ettevote/blogi

Score	Performance	Accessibility	Best Practices	SEO	Security
68	83	96	100	92	0

 Needs Improvement · https://restate.ee/varahaldus-kuidas-hoida-kinnisvaraportfell-toos

Score	Performance	Accessibility	Best Practices	SEO	Security
72	85	96	100	100	0

 Needs Improvement · https://restate.ee/aripinna-uurimine-viis-asja-mida-enne-lepingu-allkirjastamist-kontrollida

Score	Performance	Accessibility	Best Practices	SEO	Security
73	81	96	100	100	0

PageSpeed Insights — Mobile vs Desktop

*Lower is worse for Performance; higher is worse for LCP and CLS. Worse value is **bolded**.*

URL	Performance (M / D)	LCP (M / D)	CLS (M / D)
https://restate.ee/	**93** / 100	**2.85 s** / 563 ms	0.003 / **0.003**
https://restate.ee/privacy-policy	**78** / 99	**2.50 s** / 684 ms	**0.377** / 0.000
https://restate.ee/ettevote/blogi	**83** / 99	**4.18 s** / 937 ms	**0.005** / 0.000
https://restate.ee/varahaldus-kuidas-hoida-kinnisvaraportfell-toos	**85** / 99	**4.08 s** / 825 ms	0.000 / **0.000**
https://restate.ee/aripinna-uurimine-viis-asja-mida-enne-lepingu-allkirjastamist-kontrollida	**81** / 99	**4.22 s** / 819 ms	0.000 / **0.000**

Optimization Checklist

2 of 3 passing — 2 pass · 0 warn · 1 fail · 4 n/a

Item	Status	Detail
Page caching plugin / CDN active	**Pass**	Caching plugin detected (WP Rocket)
Images lazy-loaded	N/A	No raster elements found.
Hero image eagerly loaded	**Fail**	Hero image has loading="lazy", which delays LCP (inferred from DOM order/size — Lighthouse LCP element unavailable). Use loading="eager" (or omit loading) and add fetchpriority="high".
Hero is a real (not a CSS background-image)	N/A	No CSS background-images detected on raster-image-eligible elements.
Responsive images (srcset /)	N/A	Only 0 raster images on the page — responsive-image rule does not apply.
Reasonable number of image sizes	N/A	Too few raster images to evaluate srcset width variety.
JS scripts not blocking in	**Pass**	No render-blocking scripts in .

Fixes

Priority 1: Critical

Immediate action — impacts user experience, search rankings, or site safety.

1A. Add HSTS header `Security`

- **Impact:** Transport security, HTTPS enforcement
- **Problem:** Security Headers grade is 0/100; strict-transport-security is missing.
- **Solution:** Add the following header to your server configuration (Apache example):

```
Header always set Strict-Transport-Security "max-age=63072000;
includeSubDomains; preload"
```

1B. Eagerly load the hero image `Performance`

- **Impact:** LCP, FCP
- **Problem:** Optimized-Web Checklist flagged hero image `hammer.png` as having `loading="lazy"`, contributing to LCP 2.9 s.
- **Solution:** Remove `loading="lazy"` from the hero `<img>` and add `fetchpriority="high"`:

```
<img src="/path/to/hammer.png" alt="..." fetchpriority="high">
```

1C. Fix Cumulative Layout Shift (CLS) of 0.377 `Performance`

- **Impact:** LCP, CLS, Core Web Vitals
- **Problem:** CLS 0.377 exceeds 0.25 threshold; shift source identified in footer (div#page > div.main > div.main__footer > footer.footer).
- **Solution:** Reserve space for dynamic content in footer:

```
footer.footer {
  min-height: 200px; /* or actual content height */
}
```

  - Add explicit width/height to any embedded content (iframes, ads, videos)
  - Use `aspect-ratio` CSS property for dynamic elements
  - Avoid inserting content above existing content

1D. Remove lazy loading from hero image `Performance`

- **Impact:** LCP, FCP
- **Problem:** Hero image has loading="lazy", which delays LCP to 4.2 s on mobile (Optimized-Web Checklist fail).
- **Solution:** Remove `loading="lazy"` and add `fetchpriority="high"` to the hero `<img>`:

```
<img src="/hero.jpg" alt="..." fetchpriority="high" width="..."
height="...">
```

1E. Improve Largest Contentful Paint (LCP) `Performance`

- **Impact:** LCP, FCP, Mobile Performance Score

- **Problem:** Mobile LCP is 4.1 s (threshold is ≤4 s), flagged as a high-priority PSI failure despite low page weight.
- **Solution:**
  1. Preload the LCP image and critical fonts.
  2. Ensure `font-display: swap` is used for web fonts.
  3. Optimize the hero image delivery (check if `fetchpriority="high"` is needed).
  4. Review server-side rendering or caching to reduce render-blocking resources.

1F. Optimize Largest Contentful Paint (LCP) resource `Performance`

- **Impact:** LCP, FCP, Mobile Performance
- **Problem:** Mobile LCP is 4.2 s (threshold >4 s is heavy penalty); PSI flags `largest-contentful-paint` and `font-display-insight` as high priority.
- **Solution:**
  - Preload the LCP image (hero) with `<link rel="preload" as="image">`.
  - Convert hero image to WebP/AVIF with fallback.
  - Ensure `font-display: swap` is active for Open Sans to prevent render blocking.

Priority 2: Important

Essential for compliance, user reach, and search visibility.

2A. Add X-Content-Type-Options and X-Frame-Options `Security`

- **Impact:** MIME sniffing, clickjacking protection
- **Problem:** Security Headers grade 0/100; both headers are missing.
- **Solution:** Add these headers to your server configuration:

```
Header always set X-Content-Type-Options "nosniff"
Header always set X-Frame-Options "SAMEORIGIN"
```

2B. Increase touch target sizes `Accessibility`

- **Impact:** WCAG 2.5.8 Target Size
- **Problem:** PSI `target-size` audit failed with score 0.00, indicating interactive elements are too small or lack spacing.
- **Solution:** Ensure all clickable elements (links, buttons) have a minimum touch target of 44×44 CSS pixels. Add padding or margin to increase the clickable area without changing visual size.

2C. Add meta description `SEO`

- **Impact:** Search snippet quality
- **Problem:** HTML Inventory shows meta description is not set; PSI SEO audit failed `metaDescription`.
- **Solution:** Add a unique description tag in the `<head>`:

```
<meta name="description" content="Brief summary of Restate services
for search engines.">
```

2D. Add baseline security headers (HSTS, X-Content-Type-Options, X-Frame-Options) `Security`

- **Impact:** Transport security, clickjacking, MIME sniffing
- **Problem:** All 9 security headers missing (score 0/100). HSTS, X-Content-Type-Options, X-Frame-Options are baseline protections regardless of site signals.
- **Solution:** Send from origin (Apache shown):

```
Header always set Strict-Transport-Security "max-age=63072000;
includeSubDomains; preload"
Header always set X-Content-Type-Options "nosniff"
Header always set X-Frame-Options "SAMEORIGIN"
```

  - Consider CSP (priority 3 for this site per rubric — no auth/payments/UGC)

2E. Fix W3C HTML validator errors (7 script type/defer conflicts) `Best Practices`

- **Impact:** HTML validity, potential JS execution issues
- **Problem:** 7 errors: script elements with type="text/rocketlazyloadscript" and defer attribute — invalid per HTML spec (data blocks must not have defer).
- **Solution:** Remove `defer` from non-JavaScript script types:

```
<!-- Before -->
<script type="text/rocketlazyloadscript" data-wp-strategy="defer"
defer>

<!-- After -->
<script type="text/rocketlazyloadscript" data-wp-strategy="defer">
```

  - Or change type to a valid JavaScript MIME type if defer is needed

2F. Fix landmark-unique violation and touch target sizes `Accessibility`

- **Impact:** WCAG 1.3.1, 2.5.8
- **Problem:** axe-core: 1 moderate violation (landmark-unique on .footer__social). PSI: target-size failures for touch targets.

- **Solution:**
  - Add unique aria-label to footer social landmarks: `<nav aria-label="Social media links">`
  - Ensure all interactive elements have 44×44px minimum touch target
  - Add visible focus indicators to all interactive elements

2G. Add baseline security headers (HSTS, X-Frame-Options, X-Content-Type-Options) `Security`

- **Impact:** Transport security, clickjacking, MIME sniffing
- **Problem:** Security Headers grade is 0/100; HSTS, X-Frame-Options, and X-Content-Type-Options are missing.
- **Solution:** Configure server (Apache example):

```
Header always set Strict-Transport-Security "max-age=63072000;
includeSubDomains"
Header always set X-Content-Type-Options "nosniff"
Header always set X-Frame-Options "SAMEORIGIN"
```

2H. Increase touch target sizes for interactive elements `Accessibility`

- **Impact:** Mobile usability, WCAG 2.5.8
- **Problem:** PSI `target-size` audit score is 0.00, indicating touch targets are too small or lack spacing.
- **Solution:** Ensure all interactive elements (links, buttons) have a minimum 44×44 px touch target area. Add padding or margins to small icons/links.

2I. Add Baseline Security Headers `Security`

- **Impact:** Transport security, clickjacking protection
- **Problem:** Security Headers grade is 0/100; HSTS, X-Frame-Options, and X-Content-Type-Options are missing.
- **Solution:** Configure the web server (Apache/Nginx) to send:

```
Header always set Strict-Transport-Security "max-age=63072000;
includeSubDomains"
Header always set X-Frame-Options "SAMEORIGIN"
Header always set X-Content-Type-Options "nosniff"
```

2J. Fix W3C HTML Validation Errors `Best Practices`

- **Impact:** Parser recovery, SEO, maintainability
- **Problem:** 10 W3C errors found, including 7 instances of invalid `script` tags using `type="text/rocketlazyloadscript"` with `defer`.

- **Solution:** Update the WP Rocket plugin configuration or version. The `type` attribute on scripts should be omitted or set to `module` / `text/javascript`. Invalid types can cause parsing issues in some browsers.

2K. Fix Touch Targets and Landmarks `Accessibility`

- **Impact:** WCAG 2.5.8 (Target Size), 1.3.1 (Info and Relationships)
- **Problem:** PSI reports `tapTargets` failure; axe reports `landmark-unique` violation on `.footer__social`.
- **Solution:**
  1. Increase spacing or size of interactive elements to at least 44×44 px.
  2. Add unique `aria-label` or `title` attributes to duplicate footer landmarks to distinguish them for screen readers.

2L. Correct Cache-Control Headers `Performance`

- **Impact:** Repeat visit performance, bandwidth
- **Problem:** Response header `cache-control: max-age=0` prevents effective browser caching despite WP Rocket detection.
- **Solution:** Configure WP Rocket or server rules to set `Cache-Control: public, max-age=31536000` for static assets and `max-age=3600` for HTML, ensuring the `Vary: Accept-Encoding` header is preserved.

2M. Increase touch target sizes and fix landmark uniqueness `Accessibility`

- **Impact:** WCAG 2.5.8 Target Size, 1.3.1 Info and Relationships
- **Problem:** PSI `target-size` audit fails; axe reports `landmark-unique` violation on `.footer__social`.
- **Solution:**
  - Ensure all interactive elements have 44×44 px minimum touch area.
  - Add unique `aria-label` or `role` to the footer social landmark to distinguish it from other nav regions.

Priority 3: Best Practice

Recommended for long-term maintainability.

3A. Implement Content-Security-Policy (CSP) `Security`

- **Impact:** XSS defense-in-depth
- **Problem:** CSP is missing. Site signals indicate no auth/payments/UGC, so risk is lower but still recommended.
- **Solution:** Start with a restrictive policy allowing only necessary origins:

```
Header always set Content-Security-Policy "default-src 'self';
script-src 'self' 'unsafe-inline' https://cdn.jsdelivr.net; style-
src 'self' 'unsafe-inline' https://fonts.googleapis.com;"
```

3B. Fix W3C script type errors `Best Practices`

- **Impact:** HTML validity, potential parsing issues
- **Problem:** W3C Validator reported 7 errors: `script` elements with `type="text/rocketlazyloadscript"` incorrectly use the `defer` attribute.
- **Solution:** Update WP Rocket settings or custom code to use standard MIME types (`text/javascript`) or remove `defer` from non-standard script types.

3C. Add meta description and hreflang tags `SEO`

- **Impact:** Search snippet quality, international SEO
- **Problem:** Missing meta description (SEO audit suggests text). No hreflang tags for multi-language support.
- **Solution:** Add to `<head>` :

```
<meta name="description" content="Restate privacy policy details
how we collect, use, and protect your personal information.">
<link rel="alternate" hreflang="et"
href="https://restate.ee/privacy-policy/">
<link rel="alternate" hreflang="en"
href="https://restate.ee/en/privacy-policy/">
```

3D. Consider CSP implementation (lower priority for this site) `Security`

- **Impact:** XSS defense-in-depth
- **Problem:** CSP missing. Site signals show no auth, payments, or user-generated content — XSS attack surface minimal per rubric.
- **Solution:** If/when adding login or user content, deploy nonce-based CSP:

```
Content-Security-Policy: script-src 'nonce-{random}' 'strict-
dynamic'; object-src 'none'; base-uri 'none';
```

  - For current brochure/privacy policy page, focus on P1/P2 items first

3E. Add a meta description `SEO`

- **Impact:** Search snippet quality, CTR
- **Problem:** HTML Inventory shows meta description is not set; PSI SEO audit fails `metaDescription` .
- **Solution:** Add a unique `<meta name="description" content="...">` tag in the `<head>` summarizing the blog page content.

3F. Fix invalid script type attributes `Best Practices`

- **Impact:** HTML validation, potential parsing issues
- **Problem:** W3C Validator reports 7 errors: `type="text/rocketlazyloadscript"` with `defer` is invalid.
- **Solution:** Update WP Rocket configuration or custom scripts to use standard MIME types (`text/javascript`) or remove the `type` attribute entirely for JS.

3G. Implement Content Security Policy (CSP) `Security`

- **Impact:** XSS defense-in-depth
- **Problem:** CSP is missing. Site signals indicate no auth, payments, or user content, lowering immediate risk but CSP remains a best practice.
- **Solution:** Deploy a strict CSP using nonces or hashes rather than a flat allowlist:

```
Header always set Content-Security-Policy "default-src 'self';
script-src 'nonce-{random}' 'strict-dynamic';"
```

3H. Fix W3C HTML validation errors (Script types and SVG attributes) `Best Practices`

- **Impact:** Parser recovery, SEO, Maintainability
- **Problem:** 10 W3C errors: 7x `script` with invalid `type` + `defer` , 2x `preserveAspectRatio` on `use` .
- **Solution:**
  - Remove `type="text/rocketlazyloadscript"` or change to `text/javascript` .
  - Remove `defer` from scripts with non-standard MIME types.
  - Remove `preserveAspectRatio` from `<use>` elements (valid on `<svg>` only).