

Agile AI University

Infrastructure Governance Baseline v1.0

****Status: LOCKED****

****Date Generated:**** 22 February 2026

1. Institutional Positioning (Locked)

Agile AI University operates as an independent academic and professional body.

It defines structured academic frameworks and capability standards.

It is not positioned as a commercial training provider.

All infrastructure decisions must preserve neutrality, credibility, and governance discipline.

2. Infrastructure Overview

****Project:**** FB-AgileAI-University

****Plan:**** Firebase Blaze (Cost-Sensitive)

****Hosting:**** Firebase Hosting

****Database:**** Cloud Firestore

****Secure Backend:**** Cloud Run (Migration Phase Initiated)

3. Development Environment (Frozen)

Operating System

Windows 10 / Windows 11 (Stable channel only)

IDE

Visual Studio Code (Auto-update disabled)

Node Runtime

Node.js 18.x LTS (Explicitly pinned)

No floating or "latest" tags permitted.

Package Discipline

- package-lock.json committed
 - No caret (^) drift in production
 - No beta packages
 - Minimal dependency model
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4. Firebase Stack

- Firebase Hosting
- Cloud Firestore (Native Mode)
- Firebase CLI (Version frozen at last verified deployment)

No Cloud Functions permitted.

5. Cloud Run Governance Constraints

- Min Instances = 0

- Max Instances = 1 or 2
 - Concurrency capped (~10)
 - Timeout capped (10 seconds)
 - No background triggers
 - No Pub/Sub
 - No scheduled jobs
 - No always-on services
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6. Data Model (Locked)

credentials collection

- credential_id (unique)
- email (lowercase)
- full_name
- credential_type
- program_code
- issued_by
- issued_status ("finalized")
- approval_status ("approved")

verification_requests collection

- credential_id OR email
- source
- created_at
- ip_hash (future)
- recaptcha_score (future)

No structural changes without explicit approval.

7. Security Posture (Target)

- Server-side reCAPTCHA validation
 - IP-based in-memory rate limiting
 - Firestore public reads removed (Phase 2)
 - Minimal JSON response model
 - Enumeration protection enforced
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8. Cost-Control Governance

- No uncontrolled scaling
 - No background compute
 - No persistent services
 - Billing alerts required
 - Blaze plan monitored
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Official Baseline Designation

Agile AI University

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Pre-Cloud Run Secure Migration

Software Stack Frozen

End of Document