# RemoteIQ — Frontend Roadmap & Execution (Gemini)

**Purpose:** Guide Gemini to produce design assets, front-end components, and UX flows for RemoteIQ (open‑source RMM). Keep everything modern, accessible, and performant. Deliver artifacts as images (mockups), SVGs, and component specs.

## Principles

* Technician speed first; 2–3 clicks to common actions.
* Clean, high‑contrast UI; WCAG AA; keyboard‑first.
* Dark‑mode primary with light variant; tenant accent override.
* Zero deprecated deps; stable, modern stack.

## Target Stack (Frontend)

* Next.js 15 (App Router), TypeScript
* Tailwind CSS + shadcn/ui
* TanStack Query, Zustand
* Zod, OpenAPI-generated client
* Vitest + Testing Library; Playwright; Storybook (optional)

## Phase F0 — Scaffold & Hardening

**Goal:** Robust project foundation. **Deliverables:** - App Router scaffold, strict TS, path aliases. - Tailwind + shadcn/ui configured; design tokens. - Global layout (ThemeProvider), a11y base. - ESLint + Prettier + CI (lint, typecheck). **Acceptance:** - pnpm dev boots w/o warnings. - CI green; basic pages render fast (LCP < 2.5s).

## Phase F1 — Design System & Dashboard

**Goal:** Production‑ready design system + dashboard UX. **Ask Gemini to produce:** - Tokenized color scales (dark/light), typography, spacing, radii, shadows. - Components: Sidebar tree, Top bar, Data table, Filters rail, Tabs, Badges, Drawers, Toasts. - High‑fidelity mockups (Main dashboard + Device detail) with state variants (empty/loading/error). **Acceptance:** - Storybook pages or screenshots for each component. - Table supports column show/hide, density toggle, sticky header. - a11y audit passes (keyboard nav + roles).

## Phase F2 — Devices & Endpoint Detail

**Goal:** Devices list and endpoint page with tabs. **Deliverables:** - /devices with filters: Org/Location/Dept/OS/Status/Tags/Last‑Seen. - Saved Views (persisted JSON). - Endpoint tabs: Overview, Remote, Checks & Alerts, Patch, Software, Scripts, Files, Services, Events, Notes, Timeline. **Acceptance:** - 50k device filter resolve < 1.5s (mock/stub OK). - URL reflects filters; Saved View shareable.

## Phase F3 — Automation (Run Script)

**Goal:** Wizard UX + Live Run drawer. **Deliverables:** - Step 1 Targeting (explicit, filters, saved view). - Step 2 Script picker (language, tags, version pin). - Step 3 Params & Secrets (Zod‑typed hints). - Step 4 Run now / Schedule (CRON, throttle, MW). - Live Run drawer: progress, output, artifacts, export. **Acceptance:** - All steps keyboard‑accessible. - Progress streaming mocked; errors displayed gracefully.

## Phase F4 — Patching & Software

**Goal:** Patch posture + SW inventory UX. **Deliverables:** - Patch status views, approvals, “Patch now”. - Software inventory table; uninstall/request actions. **Acceptance:** - Clear posture indicators (healthy/warn/critical). - Bulk actions from Devices list only.

## Phase F5 — Reporting & Auditing

**Goal:** Simple reports + audit log views. **Deliverables:** - Scheduled report config + recipients. - Audit log with filters; CSV export. **Acceptance:** - Time‑range filters; empty/error states clear.

## Definition of Done (per phase)

* Updated README and CHANGELOG.
* Unit tests > 70% critical paths; e2e happy flows.
* a11y check, performance budget, and visual regression baseline.
* Demo GIF or screenshots stored in /docs/artifacts.

## Hand‑off Format for Gemini

* Provide PNG/SVG for mockups.
* Component API tables (props/events/variants).
* Token JSON (colors, radii, shadows, typography scale).
* Interaction notes (hover/focus/active/disabled).