

MOBILE DEVELOPMENT

Avalon delivers a secure, accessible mobile app your people and your public can use in the field, built to be authorized and fielded, not just demoed.

THE PROBLEM WE ADDRESS

Field personnel — inspectors, responders, caseworkers, clinicians — collect data on paper and re-key it days later, in disconnected environments where laptops don't survive.

An existing app fails Section 508 and draws a complaint or OIG finding, or an unvetted app touches agency data outside the security boundary.

WHAT WE DO

- User research and a native-vs-responsive-web decision memo (OMB M-23-22)
- UX/UI design to Apple HIG, Material Design, and USWDS patterns
- Cross-platform (React Native/Flutter) by default; dual-native where required
- Offline-first data architecture with conflict-safe sync
- Build-time security controls mapped to OWASP MASVS
- NIST SP 800-163-aligned app-vetting evidence package
- Manual VoiceOver/TalkBack testing with a criterion-level Accessibility Conformance Report
- Login.gov, agency ICAM, or derived-PIV authentication integration

HOW WE DO IT

1 DISCOVERY & RESEARCH

User research, workflow observation, and the native-vs-web decision.

DELIVERABLE

Native-vs-web decision memo

3 BUILD (MVP)

Two-week sprints with integrations against agency test environments; accessibility and security engineered in throughout.

DELIVERABLE

MVP, sprint by sprint

2 DESIGN & ARCHITECTURE

Design system, high-fidelity screens, and ISSO kickoff on security expectations.

DELIVERABLE

Design system + architecture

4 HARDENING & DEPLOYMENT

Manual 508 testing and the ACR, security vetting-package assembly, and app store/MDM release.

HANDOVER

ACR + vetting package + fielded app

VALUE DELIVERED

- › **Built for the field, not the desk.** Offline-first architecture with conflict-safe sync is designed for the flight line, the clinic, and the disaster zone.
- › **Approvable, not just attractive.** A criterion-level ACR, MASVS-aligned vetting package, and SBOM arrive with the build.
- › **No vendor hostage-taking.** Cross-platform architecture and the agency's own repository mean a new OS release doesn't strand the app.
- › **Honest about what's needed.** A native-vs-responsive-web decision memo comes first — Avalon says when the website is the right answer.

THE ONE THING TO REMEMBER

The people who scope the app are the people who build it.

COMMONLY PROCURED AS

Federal mobile application development services

AT A GLANCE

Model	Fixed-price or T&M, scoped per engagement
Typical	6–9 months from kickoff to a fielded MVP
NAICS	541512, 541511, 541519, 541611, 541690
UEI	Y9MXMMHY3HA1
CAGE	242T0
Standards	Section 508/WCAG, NIST SP 800-163 Rev. 1, OWASP MASVS, NIST SP 800-53

WHO WE WORK WITH

- Field-operations lead needing an offline-capable data-collection app
- ISSO requiring MASVS-aligned vetting evidence before fielding
- Digital services lead deciding between a native app and responsive web

COMMITMENT TO QUALITY

Avalon is led directly by a PMP-certified founder with a decade of enterprise engineering experience where every engagement gets senior-level attention, never a subcontracted bench. Delivery follows NIST SP 800-53, RMF, and FISMA, evidence-backed and control-mapped by design. ISO 9001/27001 is on the roadmap as the pipeline scales.

Status: Small business federal contractor based in Los Angeles, CA

SECTION 508/WCAG

NIST SP 800-163 REV. 1

OWASP MASVS

NIST SP 800-53