ALX PWA 0x01

Progressive Web App fundamentals

Role: PWA Developer

Date: 2025-09-02

Summary

PWA fundamentals: manifest, service worker, caching strategies and offline experience tests.

Tools & Tech

Service Worker, Workbox, Lighthouse

Key Features

• Offline caching

• Installable web app

Artifacts to include

• README.md

• Screenshots (hero + flows)

• Repo link

• Case study PDF

Ivy relevance

Emphasize research mindset, system design decisions, measurement/metrics, and any mentorship or leadership roles.