

E-Commerce Platform Modernization & Optimization

A 3-month engagement to modernize core architecture, elevate UX, and deliver a secure, high-performance commerce platform — fully remote, documentation-driven, and production-ready.

JUNE 30 – SEPTEMBER 30, 2026

REMOTE-FIRST COLLABORATION



Project Overview

Platform Modernization

Full rebuild of core transaction logic, product catalog, cart, and checkout — optimized for scale and reliability.

Frontend Excellence

React / Next.js architecture with SSR/ISR, Lighthouse ≥ 90 , and cross-device visual consistency.

UX & Design System

WCAG 2.1+ compliant design system, multi-step prototypes, and Core Web Vitals optimization.

Security & Compliance

PCI DSS implementation, CI/CD governance, and automated quality gates throughout the release cycle.

Team Composition & Rates

Four specialized roles engaged at senior-to-lead level, with clearly scoped weekly hours to optimize cost and delivery focus.

#	Role	Level	Rate (USD/hr)	Hrs / Week
1	E-Commerce Platform Developer	Senior / Lead Architect	\$115 – \$165	25 – 35
2	Senior Frontend Developer	Senior / Lead Specialist	\$100 – \$140	20 – 25
3	Senior UI/UX Developer	Senior Experience Specialist	\$95 – \$130	25 – 30
4	Web Design Developer	Mid+ / Senior	\$85 – \$110	10 – 20

E-Commerce Platform Developer

LEAD ARCHITECT

\$115-\$165/HR

Core Responsibilities

- Full modernization of platform architecture, transaction logic, and product catalog
- Cart and checkout flow optimization for high-throughput order processing
- API architecture for ERP, CRM, and logistics system integrations
- PCI DSS security compliance and CI/CD pipeline governance
- Root-cause analysis of critical production incidents

Delivery Schedule

Jun 30 – Jul 15

Architecture audit — 15h/week

Jul 16 – Aug 31

Full development phase — 30h/week

Sep 1 – Sep 30

Launch support & stabilization — 35h/week

- ✓ Outcome: Stable, scalable, and secure platform with high transaction throughput.



SENIOR FRONTEND DEVELOPER

\$100-\$140/HR

Frontend Architecture

- Scalable frontend architecture using React / Next.js
- SSR / ISR optimization with Lighthouse score \geq 90
- Global state management integrated with UX prototypes
- Cross-browser and cross-device compatibility
- Visual regression testing automation and code-splitting

Schedule

Jul 15 – Sep 14: Active development — 25h/week

Sep 15 – Sep 30: Final optimization — 10h/week

Blackout: June 30 – July 14

- ✓ Outcome: Fast, stable, visually consistent UI across all devices and browsers.



Senior UI/UX Developer

EXPERIENCE SPECIALIST

\$95-\$130/HR · 25-30 HRS/WEEK



Design System

Creation and synchronization of a unified component system with development.



Accessibility

WCAG 2.1+ compliance, micro-interaction design, and inclusive UX patterns.



UX Analytics

Behavioral insights mapping and Core Web Vitals monitoring feedback loop.

Delivery Schedule

Jun 30 – Jul 31

Design system foundation
– 30h/week

1

2

Aug 1 – Sep 15

Support & final refinement
– 25h/week

Sep 16 – Sep 30

Blackout period

3



Outcome: Intuitive, accessible, and highly engaging user experience.

Project Timeline at a Glance

Each specialist's engagement is sequenced to maximize coverage across architecture, build, and launch phases.



The platform developer ramps to 35h/week during stabilization — ensuring production reliability at the most critical launch window.

Coordination, Quality & Risk Management

Engineering Standards

→ Version Control

Isolated feature branches with mandatory peer code reviews and automated testing pipelines.

→ Quality Gates

Unit test coverage $\geq 85\%$, performance budget enforcement, visual regression testing, and WCAG 2.1+ compliance checks.

→ Collaboration Model

Centralized documentation repository, daily progress logging, and weekly cross-functional sync sessions.

Risk Mitigation

Critical Failures

Fallback modules pre-built for core system failure scenarios to maintain uptime.

Design Delays

Skeleton UI strategy ensures frontend progress is never blocked by design pipeline.

Blackout Periods

Proactive task redistribution ensures continuity when team members are unavailable.

