

Galen Lockwood

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Senior Product Designer (UX/UI) & Front-End Developer

Senior UX Designer & Front-End Engineer with 12+ years of experience designing workflow-driven products for complex, regulated environments across healthcare, enterprise SaaS, and public sector systems.

Specialized in clinical workflows, interoperability, and data-driven systems, including experience working with HIPAA-compliant platforms, EHR modernization efforts, and standards such as HL7 FHIR and CDISC ODM to support secure, scalable healthcare data exchange.

Combines UX leadership with hands-on front-end implementation and AI-assisted prototyping to deliver reliable, compliant, and highly usable systems in high-stakes environments.

CORE SKILLS

UX Engineering • Front-End Development (HTML, CSS, JavaScript) • Component-Based Architecture • Design Systems & Reusable Components • Figma (Components, Variables, Prototyping) • API Integration (REST) • Responsive Design • Accessibility (WCAG 2.1 AA) • Performance Optimization • Cross-functional Collaboration • AI-Assisted Development (Copilot, Cursor, ChatGPT)

EXPERIENCE

The National Academies of Sciences, Engineering, and Medicine

Senior UX/UI Designer and Front-End Developer | 2016–2026

- Led UX strategy for modernizing the **Projects and Activities Repository (NAPAR)**, increasing workflow efficiency by **33%** and reducing IT support tickets by **40%** across 1,000+ projects in a **highly regulated, compliance-driven environment**.
- Designed **workflow-driven interaction patterns, validation rules, and state-based systems** that reduced data-entry duplication errors by **60%** and improved data integrity across complex reporting processes.
- Built and governed a **WCAG-compliant design system (Section 508)** adopted across multiple enterprise applications, ensuring **accessibility and regulatory compliance at scale**.
- Facilitated **user research, co-design sessions, and usability testing** with program officers and analysts to align system behavior with **policy, auditability, and reporting requirements**.
- Designed **decision-critical dashboards and alert systems** that surfaced risks earlier, supporting proactive intervention and reducing downstream operational issues.

eSchemaTherapy

Principal Product Designer / UX Engineer | 2024–Present

- Led end-to-end product design for a **HIPAA-compliant clinical platform**, supporting Schema Therapy workflows for therapists and patients across **secure, privacy-sensitive environments**.
- Designed **role-based dashboards, clinical forms, and progress tracking systems**, enabling structured capture and visualization of patient data across treatment plans.
- Created **alert-driven and intervention-based workflows** to support clinical decision-making, improving visibility into patient progress and adherence to therapeutic protocols.
- Established an **accessible, scalable design system** aligned with **WCAG standards**, ensuring consistent, compliant UI patterns across clinical and administrative interfaces.
- Modeled **structured clinical data and workflow states** aligned with emerging interoperability patterns (**FHIR-informed architecture**), supporting future integration with external health systems.
- Partnered with clinicians and engineers to translate **clinical, regulatory, and operational requirements** into usable, compliant digital workflows.
- Supported **product strategy and roadmap definition**, aligning UX decisions with **clinical outcomes, data integrity, and long-term platform scalability**.

Definitive Logic — acquired by ManTech

UI/UX & Front-End Developer — Healthcare & Federal Systems | 2015–2016

U.S. Department of Veterans Affairs (VA) — EHR Modernization & Planning Systems

- Designed Angular-based applications supporting **EHR modernization and transition to an interoperable Cerner system** (27,000+ users).
- Built a **centralized forecasting dashboard** for multi-year healthcare planning, integrating data across internal systems for resource allocation.
- Designed workflows aligned with **HIPAA compliance and HL7 FHIR-based interoperability**, enabling secure and structured data exchange.

Evolut Health — Population Health & Care Management Systems

- Designed interfaces for **population health and care management systems**, enabling providers to monitor patient status and coordinate interventions.
- Created **clinical monitoring and escalation workflows**, improving visibility into patient risk and supporting timely care decisions.
- Worked within **HIPAA-compliant, FHIR-integrated systems**, supporting interoperability across EHRs and partner platforms.

Additional Front-End Engineering Roles | 2013–2015

PBS • Gensler • Cisco (via mPortal acquisition) • Saforian

- Developed responsive web and application interfaces across media, telecom, and enterprise platforms (PBS, Cisco, Bright House), translating UX designs into scalable front-end components.

EDUCATION

Bachelor of Fine Arts in Graphic Design

Savannah College of Art and Design