



AUBREY BROOKE
SENIOR UX/PRODUCT DESIGNER

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Springfield, IL

PROFESSIONAL SUMMARY

Senior UX/Product Designer with 20+ years of experience designing and building digital products for government, education, and complex organizations. I work across the full product lifecycle, from business analysis and user research through wireframes, prototypes, design systems, usability testing, and front-end development.

My background combines UX design, business analysis, front-end development, and visual design, with a focus on government and education, accessibility, complex workflows, and data visualization. Over the last year, I've incorporated AI-assisted development into my workflow, using GitHub Copilot to troubleshoot, refactor, and build more efficiently.

CORE EXPERTISE

UX & Product Design

User Research · Usability Testing · Human-Centered Design · Information Architecture · Interaction Design · User Flows · Wireframing · Prototyping · Visual Design · Design Systems · Design Governance · Design Documentation

Government & Education

Government Digital Services · Education Technology · Data Governance · Complex Enterprise Applications · Stakeholder Engagement · Business Analysis · Requirements Gathering · Accessibility · WCAG · Section 508 · Public-Facing Digital Services

Product & Agile Delivery

Product Backlog Management · Backlog Grooming · Sprint Planning · Sprint Demos · Release Planning · Release Notes · Requirements Definition · Stakeholder Communication · Agile/Scrum

Front-End & Data

Vue.js · JavaScript · HTML · CSS · .NET · C# · REST APIs · MongoDB · SQL · D3.js · Angular · Responsive Web Design

AI-Assisted Development

GitHub Copilot · AI-Assisted Coding · Code Refactoring · Code Troubleshooting · Development Workflow Optimization

WORK HISTORY

MSF&W CONSULTING

Data Analyst & UX/UI Design Consultant

11/2025 – Present

Provide UX, business analysis, visual design, and front-end development services across government and public-sector digital projects.

Illinois State Board of Education — DataVerse | Business Analyst · UX Researcher · UX/UI Designer · Front-End Developer

- Lead UX and front-end development for DataVerse, a centralized data governance and metadata platform for the Illinois State Board of Education.
- Serve as the Business Analyst and product backlog lead, managing and prioritizing the product backlog and translating stakeholder needs and business requirements into actionable user stories and development tasks.



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- Lead backlog grooming and sprint planning, working with the development team to refine requirements, establish priorities, and prepare work for upcoming sprints.
- Lead sprint demos, presenting completed functionality and design solutions to stakeholders and gathering feedback for continued product refinement.
- Prepare sprint release notes documenting completed functionality, changes, and enhancements for each release.
- Work directly with stakeholders and subject-matter experts to understand business processes, identify user needs, define requirements, and translate complex organizational needs into intuitive digital workflows.
- Lead the complete UX design process, including discovery, information architecture, wireframes, interactive prototypes, visual design, design systems, usability testing, and iterative refinement.
- Created and maintain a scalable design system and reusable UI patterns to improve consistency, accessibility, and development efficiency.
- Conduct multiple user testing pilots, gathering feedback, identifying recurring usability patterns, and translating findings into product improvements.
- Collaborate closely with developers throughout implementation to ensure designs are technically feasible, accessible, and accurately represented in the final product.
- Lead front-end implementation using Vue.js, integrating designs with .NET REST APIs and MongoDB.
- Leverage GitHub Copilot and AI-assisted development workflows to accelerate front-end development, troubleshoot and refactor code, explore implementation approaches, and improve development efficiency.
- Design and develop data dashboards using D3.js, including animated and interactive visualizations that make complex relationships and data easier to understand.
- Facilitate communication between business stakeholders and development teams, translating business requirements into actionable design and development tasks.
- Develop UX patterns for complex workflows involving data assets, permissions, teams, notifications, reviews, classifications, and governance processes.

Illinois WorkNet Center — Web & Visual Design | UX Visual Designer · Graphic Designer

- Support the modernization of the Illinois WorkNet Center digital experience through UX, visual design, and graphic design.
- Develop new visual and interaction patterns across multiple areas of the website to create a more cohesive and contemporary user experience.
- Work with stakeholders to understand content, branding, organizational, and user experience needs.
- Create page designs, layouts, graphics, interface elements, and reusable visual patterns.
- Apply UX and visual design principles to improve clarity, consistency, navigation, and usability across the site.

MANHATTAN STRATEGY GROUP

Freelance UX Design Specialist

6/2025–11/2025

- Provided UX design expertise across client initiatives, including wireframing, prototyping, visual design, and design strategy.
- Collaborated with multidisciplinary teams to translate business and technical requirements into user-centered digital experiences.
- Contributed UX expertise to proposals, presentations, and client-facing design activities.



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AGORA EDUCATION SERVICES

Freelance Web Designer

4/2025–Present

- Designed a WordPress website based on organizational goals, content needs, and user requirements.
- Created wireframes, prototypes, navigation structures, and reusable design patterns.
- Developed an intuitive content management experience for staff responsible for maintaining the site.
- Created instructional documentation and provided training for content editors.
- Provide ongoing design, content, and website support.

SANAMETRIX, INC.

Senior Web Designer/Developer

2/2012–2/2025

- Led UX, visual design, front-end development, accessibility, and data visualization initiatives across multiple U.S. Department of Education projects.
- Led UX design and front-end development for complex government education applications used to access, analyze, and understand education data.
- Designed accessible, data-driven interfaces for applications built with .NET, REST APIs, Angular, JavaScript, HTML, and CSS.
- Created wireframes, prototypes, interaction models, visual designs, and production-ready interfaces.
- Established and implemented reusable design systems and UI standards across multiple education-focused digital products.
- Collaborated with federal clients, project managers, developers, data specialists, and subject-matter experts to translate complex requirements into usable digital experiences.
- Conducted UX analysis and iterative design improvements for data-intensive applications.
- Designed interactive dashboards, maps, charts, and other data visualizations to make complex education data easier to explore and understand.
- Applied accessibility and responsive design principles throughout product development.

Selected U.S. Department of Education Projects

Regional Educational Laboratories

- Led creation and adoption of a scalable design system across six regional websites.
- Helped consolidate independently operated sites into a more unified digital experience.
- Established reusable patterns and visual standards to improve consistency and usability.
- Education Demographic and Geographic Estimates
- Designed accessible interfaces for data-intensive applications, including interactive dashboards and data tables.
- Worked with development teams on implementation using .NET and RESTful APIs.
- Contributed to modernization efforts and migration to .NET Core.

Promise Neighborhoods

- Conducted UX analysis and data synthesis to improve usability.
- Designed interactive maps, charts, and data-driven interfaces.
- Improved data collection and import workflows.

What Works Clearinghouse

- Helped modernize the user interface of a complex data dissemination application.
- Designed workflows that brought multiple databases together into a more unified user experience.
- Simplified complex information and interaction patterns for users.



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What Will They Learn

- Transformed a static website into a dynamic, interactive, data-driven experience.
- Improved search, visual presentation, navigation, and information discovery.

SYNERGY ENTERPRISES, INC.

Senior Web Designer/Developer

10/2008–2/2012

- Designed accessible, user-centered digital experiences for federal government clients including the U.S. Department of Education, NIH, Department of Justice, and Department of Energy.
- Worked directly with government stakeholders, project managers, developers, and subject-matter experts.
- Designed and developed responsive websites and web applications.
- Guided development teams in implementing consistent visual and interaction patterns.
- Served as a senior design resource for complex government digital initiatives.

U.S. Department of Education — You for Youth

- Led design and UX direction for a national professional development and distance-learning platform supporting afterschool educators and program providers.
- Worked with development teams to translate UX designs into functional digital experiences.

KFORCE GOVERNMENT SOLUTIONS

Senior Web Designer

10/2006–10/2008

- Designed user interfaces and digital experiences for major Institute of Education Sciences/National Center for Education Statistics websites.
- Contributed to the design and implementation of NCES College Navigator.
- Collaborated with government clients, IT professionals, developers, and contractors to establish design standards and improve usability.
- Developed visual and interaction patterns for complex education data and information systems.

EDUCATION AND CERTIFICATIONS

- **Google UX Design Professional Certificate** | Completed July 2025
- **Associate's in Visual Communications** | Art Institute of Philadelphia

TECHNOLOGY

Design & UX: Figma · FigJam · Adobe Creative Cloud · Design Systems · Prototyping · Usability Testing

Development: Vue.js · JavaScript · HTML5 · CSS3 · .NET · C# · REST APIs · MongoDB · SQL · D3.js · Angular

AI-Assisted Development: GitHub Copilot

Tools & Platforms: GitHub · Git · Bitbucket · Jira · Visual Studio · VS Code · WordPress · AWS · Azure DevOps