

CHRIS KIRBY

SENIOR FULL-STACK APPLICATION DEVELOPER

AI Systems · Application Architecture · Automation · UI/UX

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PROFESSIONAL SUMMARY

Senior full-stack application developer and creative technologist with 25+ years of experience spanning software engineering, application architecture, UI/UX, automation, accessibility, cloud infrastructure, and digital design.

Experienced taking complex products from an undefined concept through architecture, development, deployment, and production—both as the sole technical owner and as a leader of development teams. Background includes building complete application platforms, REST APIs, real-time systems, custom administrative tools, AI-assisted workflows, accessibility technology, and international live-streaming infrastructure.

Currently focused on developing AI-enabled applications and automation systems that combine large language models with structured business logic, APIs, data, and purpose-built user experiences.

PROFESSIONAL EXPERIENCE

KIRBY CREATIVE 2000 – Present

Founder / Senior Application Developer & AI Systems Developer

Independent software-development and creative technology practice specializing in custom applications, automation, digital systems, and product development.

- Architect and develop full-stack applications spanning front-end interfaces, back-end services, databases, APIs, infrastructure, deployment, and ongoing operations.
- Design automation systems that connect business processes, applications, APIs, data sources, and customer workflows.
- Develop AI-enabled tools that combine generative AI with structured application logic and guided workflows rather than relying solely on open-ended prompting.
- Created Growth Keystone, an AI-assisted business platform designed to translate company knowledge into actionable positioning, visual direction, content structure, lead-generation systems, and an extensible digital foundation.
- Developed an AI-powered Company Color Guide workflow that converts business, audience, and offer information into strategic palette recommendations, usage guidance, contrast considerations, and brand direction.
- Build custom software, web applications, APIs, process automation, integrations, and internal business systems for clients.
- Provide technical architecture and consulting for organizations requiring custom solutions beyond off-the-shelf software.
- Have delivered work across more than 500 projects for 200+ clients throughout the company's history.

Selected Technologies: AI/LLM APIs, JavaScript, Node.js, PHP, Laravel, Python, MySQL, MongoDB, REST, AWS, Linux, HTML/CSS

CORE TECHNOLOGIES

Languages & Development

JavaScript · TypeScript · PHP ·
Node.js · Python · HTML5 ·
CSS/SASS · SQL

Frameworks & Applications

Laravel · React · Drupal ·
WordPress · REST APIs ·
WebSockets · MVC

AI & Automation

LLM Integration · AI-Assisted
Workflows · Prompt/System
Architecture · Process
Automation · Structured AI
Output · API Integration

Data & Infrastructure

MySQL · MongoDB · Redis ·
AWS · Google Cloud ·
Linux/Unix · Nginx · Apache

Design & Experience

UI/UX · Adobe Creative Suite ·
Motion Graphics · Illustration ·
Branding · Accessibility



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MALDELO February 2020 – January 2024

Full-Stack Application Developer

Sole developer responsible for transforming an early-stage product concept into a complete application platform.

- Served as the project's primary technical owner, guiding architecture and development from initial concept through implementation.
- Designed and developed the platform's REST API and supporting application architecture.
- Built an extensive administration system providing centralized control over application functionality.
- Implemented WebSocket-based communication for real-time updates and event-driven interactions.
- Created a dedicated technical documentation portal for application components and platform functionality.
- Designed the product's UI/UX, visual identity, logo, custom graphics, and illustrations in addition to engineering the application.
- Worked independently across development, architecture, design, and implementation with minimal initial technical specifications.

ONErpm January 2019 – 2021

Senior Web Developer

- Developed and maintained functionality for ONErpm's primary web platform within a fully custom application framework.
- Worked with Node.js, GraphQL, Redshift, JavaScript, Git/Bitbucket, and Jira.
- Collaborated remotely with a distributed development and design team.
- Developed interactive HTML5 animations and user-interface enhancements.
- Diagnosed and solved application issues within a large custom codebase.

TAMPA GENERAL HOSPITAL February 2018 – August 2018 · Contract

Systems Analyst / Drupal & Accessibility Specialist

- Selected for a six-month engagement focused on bringing multiple hospital web properties into accessibility compliance.
- Implemented accessibility solutions across both front-end and back-end Drupal systems.
- Developed a custom collection of Drupal modules and internal tools that significantly accelerated accessibility remediation across multiple sites.
- Translated accessibility requirements into reusable technical solutions instead of relying exclusively on manual remediation.
- Worked within existing production systems where accessibility compliance carried significant organizational and legal importance.

EARLIER EXPERIENCE

TraderPlanet.com March 2012 – December 2017

Senior Web Developer

Developed front-end and back-end functionality using HTML5, PHP, MySQL, and JavaScript; created interactive experiences and integrations with major social platforms; contributed design, illustration, and digital publishing work.



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Tampa Digital - April 2010 – March 2012

Manager of Web Development

Managed a five-person development team; designed an internal company-wide control platform; developed cross-device video players and media-conversion systems; and traveled nationally and internationally, including Doha, Qatar, to oversee live-streaming implementations for major events and organizations.

WCI Communities - April 2009 – March 2010

Web Designer / Developer

Redesigned more than ten community websites using WCI's existing Drupal CMS infrastructure.

Surefire Advertising - November 2002 – September 2007

Art Director / Designer & Developer

Joined as a web, print, and video designer/developer and was promoted to Art Director within six months. Led projects from concept through completion and managed freelance creative talent as needed.

SELECTED CAREER HIGHLIGHTS

AI Product Development

Building production applications that combine generative AI with structured workflows, application logic, business data, and automation.

End-to-End Product Ownership

Taken products from an undefined concept through UX, architecture, front end, back end, APIs, databases, deployment, documentation, and production.

Technical Leadership

Managed development teams while remaining a hands-on engineer.

Accessibility Engineering

Developed reusable Drupal accessibility tooling for Tampa General Hospital.

Real-Time Systems

Experience with WebSockets, event-driven applications, streaming systems, and live infrastructure.

Creative + Engineering

Career progression from Art Director through UI/UX and front-end engineering into full-stack application development and architecture.

