

A.J. BARNETT

Senior Software Engineer | Platform Engineering | Frontend Architecture

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PROFESSIONAL PROFILE

Senior Software Engineer with 20 years of software engineering experience building scalable web applications, enterprise software, frontend platforms, and design systems. Most recently served as Technical Lead for Legato, CDW's enterprise design system, leading frontend platform initiatives across a Fortune 500 organization that improved engineering velocity, platform adoption, and developer productivity through scalable architecture.

Co-led architecture and enterprise adoption across 10+ product teams, 20+ engineers, 15+ enterprise applications, and more than 170 reusable UI assets spanning React, Stencil Web Components, and HTML/JavaScript. Experienced in mentoring engineers, influencing technical direction, and building platforms that enable organizations to deliver software faster with greater consistency and quality.

PROFESSIONAL EXPERIENCE

CDW Corporation

Senior Software Engineer I | Technical Lead

September 2022 – July 2026

Served as Technical Lead for Legato, CDW's enterprise design system, helping evolve the organization's frontend platform through shared architectural leadership, reusable component development, accessibility, developer experience, and enterprise adoption.

Core Technologies: *React • TypeScript • Stencil • Storybook • Nx • Azure DevOps • Figma*

- Increased enterprise adoption of the Legato design system from 38% to 92% across Digital Customer teams (142% growth), establishing the organization's standard frontend platform.
 - Enabled 70.4% of all new enterprise feature releases (19 of 27 major initiatives) to ship on the modern Legato platform instead of legacy frameworks.
 - Co-led the architecture, implementation, and long-term evolution of **Legato**, delivering more than **170 reusable UI assets** spanning React, TypeScript, Stencil Web Components, and HTML/JavaScript.
 - Led and mentored a team of five software engineers through architecture guidance, code reviews, technical coaching, and collaborative problem solving.
 - **Architected a scalable design-token system** powering typography, spacing, color, layout, branding, and responsive behavior across enterprise applications.
 - **Accelerated developer onboarding and component adoption** by establishing Storybook as the enterprise source of truth for documentation, implementation guidance, and engineering standards.
 - Reduced developer effort by an estimated 111 hours annually per engineer (4.6 hours per sprint) through reusable components, standardized engineering patterns, and comprehensive Storybook documentation.
 - Modernized legacy **.NET** microsites by incrementally bootstrapping **React** into existing applications, enabling phased migration without disrupting production systems.
 - Embedded WCAG 2.1 AA and Section 508 accessibility standards into reusable platform components, enabling consistent compliance across enterprise applications.
 - Conducted technical interviews, evaluated engineering candidates, and influenced hiring decisions that strengthened the Legato engineering team.
 - Partnered with Engineering Leadership, Product, UX, and QA to define platform governance, architecture standards, and long-term frontend strategy for the enterprise design system.
 - Earned **Sprint MVP recognition more than ten times** and received **Program Increment MVP** recognition for technical leadership and delivery.
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Midland Trust

Software Engineer

June 2020 – May 2022

Designed and delivered enterprise financial software supporting Self-Directed IRA, 1031 Exchange, and retirement account management while modernizing frontend architecture and building scalable full-stack applications.

- Architected enterprise financial applications using React, Node.js, PostgreSQL, REST APIs, Redux, and Sequelize.
 - Designed end-to-end application architecture connecting frontend interfaces, backend services, authentication, databases, and business workflows.
 - Built React-based custom portals that moved clients off Salesforce Community/Site access and into Microsoft Entra-authenticated experiences, reducing dependency on paid Salesforce user logins.
 - Developed UI for client, pro, and payment portal experiences, enabling customer access, third-party access to customer data, account workflows, and payment-related functionality.
 - Contributed to the delivery of a cross-platform mobile application that significantly reduced the cost and complexity of Salesforce Site customization.
 - Delivered customer-facing financial applications including payment workflows, automation features, calculators, dashboards, and account management experiences supporting retirement investment platforms.
 - Implemented Microsoft Entra ID (formerly Azure Active Directory) authentication and custom role-based authorization supporting enterprise security requirements.
 - Built cross-platform applications using React and Ionic for web, iOS, and Android deployment.
 - Optimized application performance, accessibility, SEO, and engineering quality, consistently achieving near-perfect Google Lighthouse scores.
 - Managed deployments, Git workflows, release pipelines, and production support across multiple enterprise applications.
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Priority Marketing | Moore & Scarry Advertising

Full Stack Software Engineer

March 2015 – May 2020

Designed and developed production-grade digital products for healthcare, government, nonprofit, education, hospitality, and commercial organizations.

- Engineered responsive websites, custom web applications, CMS platforms, and digital marketing solutions for healthcare, government, nonprofit, hospitality, education, and commercial organizations, emphasizing performance, accessibility, SEO, and conversion optimization.
- Integrated third-party APIs, CRMs, payment gateways, and marketing automation platforms supporting business operations and client requirements.
- Built reusable frontend implementation patterns that accelerated project delivery across numerous client engagements.

- Managed production hosting, DNS, deployments, analytics, backups, security, and performance optimization.
 - Partnered directly with designers, creative directors, account managers, and executive stakeholders to deliver production-grade software under aggressive delivery schedules.
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Freelance Software Engineer

Self Employed | Remote

January 2010 – March 2015

Designed, developed, and deployed custom software solutions for businesses across multiple industries, managing the complete software lifecycle from requirements gathering through production support.

- Designed and developed custom websites, CMS platforms, eCommerce solutions, and business applications using PHP, WordPress, Joomla, Drupal, osCommerce, ASP.NET MVC, C#, JavaScript, HTML, CSS, jQuery, and SQL Server.
 - Built responsive user interfaces with a strong emphasis on usability, accessibility, SEO, and performance optimization.
 - Integrated third-party APIs, payment gateways, CRM systems, and business automation tools to streamline client workflows.
 - Managed projects from discovery through deployment, serving as solution architect, developer, designer, and technical consultant.
 - Administered hosting environments, DNS, domain management, deployments, backups, and website security for multiple clients.
 - Built long-term client relationships through reliable delivery, technical problem-solving, and ongoing application support.
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TECHNICAL EXPERTISE

Platform Engineering

Enterprise Design Systems • Component Libraries • Storybook • Design Tokens • Frontend Architecture • Developer Experience • Accessibility (WCAG 2.1 / Section 508)

AI-Augmented Engineering

AI-assisted software development • Model Context Protocol (MCP) • GitHub Copilot • Claude • ChatGPT • AI-assisted code review • Documentation automation • Test generation • Code modernization

Frontend

React • TypeScript • JavaScript • Redux • HTML5 • CSS3 • Sass • Stencil • Web Components • jQuery

Backend

Node.js • C# • [ASP.NET](#) MVC • PHP • REST APIs • PostgreSQL • SQL Server • MySQL • Sequelize • Microsoft Entra ID / Azure Active Directory

CMS & eCommerce

WordPress • Joomla • Drupal • osCommerce

Tooling

Nx • Git • GitHub • Azure DevOps • Figma • CI/CD • Jest • Agile

EDUCATION & PROFESSIONAL DEVELOPMENT

Beaver Aviation

Instrument Flight Rating

Paragon Flight Training

Private Pilot Certificate (FAA)

Professional Development

Microsoft Azure professional coursework, LinkedIn Learning (formerly [Lynda.com](#)), Digital-Tutors, Pluralsight, official vendor documentation, technical publications, and continuous hands-on enterprise software engineering.