Adam Speer

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Senior Full-Stack Engineer specializing in AI-powered automation solutions for enterprise web applications. 8+ years delivering measurable business impact through intelligent workflow optimization, reducing manual processes by up to 90% while maintaining 100% accuracy. Proven track record building scalable systems integrating modern AI APIs (OpenAI, Anthropic, Google) with React, Vue, TypeScript, and Node.js to solve complex business challenges in healthcare, pharmaceutical, and SaaS environments.

Core Competencies

AI & Automation: OpenAI GPT, Anthropic Claude, Google Gemini, Workflow Automation, API Integration, Data Pipelines
Technologies: JavaScript, TypeScript, React, Vue.js, Node.js, Next.js, Nuxt.js, Python, PostgreSQL, MongoDB, AWS
Methodologies: Agile/Scrum, Full-Stack Development, CI/CD, Test Automation — **Certifications:** AWS Cloud Practitioner, CSM

Selected Automation & AI Projects

DowntownDry.bar - AI Venue Verification — Astro.js, Google APIs, Gemini AI
 • Built AI-powered automation achieving 100% accuracy in venue validation, reducing manual review time by 90%
 • Integrated multiple Google APIs (Places, Maps, Business) with custom verification logic and error handling

RecycleOldTech.com - Affiliate Marketing Automation — Astro.js, JavaScript, Google APIs
 • Designed end-to-end affiliate conversion pipeline processing 1,000+ monthly referrals with automated tracking
 • Implemented SEO automation and content strategy system, increasing organic traffic and improving conversion rates
 • Built comprehensive nationwide electronics recycling directory with advanced search and filtering capabilities

IndiAide RTM - Healthcare Compliance System — Xano, PostgreSQL, REST APIs
 • Architected HIPAA-compliant backend automation for Medicare Remote Therapeutic Monitoring billing
 • Built workflow automation reducing manual data entry while maintaining regulatory compliance

Professional Experience

Apex Systems, Eli Lilly and Co. — FullStack Engineer & Digital Design Lead   Apr 2023-Jan 2025
 • Led Mounjaro US website migration from Nuxt.js to Next.js, improving Core Web Vitals scores by 30% and reducing deployment time by 50% through automated CI/CD pipeline
 • Developed full-stack applications using Vue.js, React.js, Node.js, and Koa.js with focus on scalable API architecture
 • Built custom API layer serving 50,000+ monthly users with personalized content, automating delivery workflows and increasing engagement metrics by 25%
 • Pioneered AI-assisted development workflows using GPT-4/Claude, reducing debugging time by 20% and code review cycles by 30%, establishing best practices adopted by fellow engineers

Salesforce —Associate Software Engineer   Aug 2021-Jan 2023
 • Deployed API integration layer connecting Salesforce with 5+ third-party services, reducing manual data entry by 60%
 • Led automated accessibility testing framework deployment across Salesforce products, reducing WCAG compliance issues by 75% and manual QA time by 40 hours per release cycle
 • Participated in product design meetings and code reviews, driving technical decisions for scalable solutions
 • Served as Scrum Master coordinating cross-functional teams and streamlining delivery processes

Adam Speer Web Dev —Full Stack Developer   Aug 2016-Present
 • Built custom automation systems processing 1,000+ monthly transactions across multiple client projects
 • Led EdReports migration from legacy Java/Vue to Nuxt.js, reducing page load times by 40% and improving developer productivity by 30%
 • DevelopedAI-poweredsolutionsintegratingOpenAI,Anthropic,andGoogleAIAPIs,automatingpreviouslymanualworkflows saving clients an average of 15 hours per week

JDR Web Solutions —Full Stack Web Developer   Jun 2019-Jul 2021
 • Developed full-stack applications using PHP, WordPress, and JavaScript with automated security protocols
 • Created custom security monitoring scripts, reducing incident response time by 40%
 • Introduced task management automation and workflow improvements, increasing team productivity by 25%

Prosper Group, LLC —Jr. Web Developer   Jan 2018-Jun 2019
 • Built responsive political and corporate websites using WordPress, CSS, Sass, and JavaScript with automated workflows
 • Collaborated with 3-person design team translating mockups into pixel-perfect implementations, consistently delivering projects 15% under deadline

Education

LaunchCode - UMKC — Certificate of Fundamentals of Programming, 2016   **University of Missouri** — BA, English Literature, 2005