

Keith Wedinger
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Objective

Results-driven Senior Software Engineer with a proven history of architecting, developing, and delivering high-quality software solutions across diverse industries and platforms. Adept at translating complex requirements into scalable, maintainable systems that drive business value. Seeking a senior engineering role where I can apply and expand my expertise while contributing to innovative, high-impact projects.

Summary of Qualifications

- Over 36 years of experience delivering robust software solutions across a wide range of technologies, platforms, and industries.
- Proven ability to collaborate effectively with cross-functional teams, including development, QA, UX/UI design, marketing, and customer support.
- Consistent track record of delivering high-quality projects on time and exceeding performance expectations.
- Quick to master new technologies and frameworks, with a strong aptitude for applying them to solve complex problems efficiently.

Key Skills

Languages	Java, Ruby, JavaScript, TypeScript, Kotlin, Swift, C/C++, PHP, HTML, CSS
Frameworks	Spring, Rails, React, React Native, Apple device SDKs, Android SDK, Windows SDK, .NET
Development Tools	IntelliJ IDEA, Eclipse, Xcode, Visual Studio, Git, GitHub, Gradle, Maven, Ant
Deployment and Hosting	GitHub CI, Heroku, AWS, Azure
AI	Cursor, Google Gemini, ChatGPT, JetBrains
Testing and Monitoring	JUnit, RSpec, Jest, Jasmine, Mocha, DataDog, New Relic, Sentry
Databases	PostgreSQL, MySQL, DB2, Microsoft SQL Server, Oracle, Pentaho Data Integration
Operating Systems	Unix/Linux, macOS, Windows

Professional Experience

Principal Consultant, Improving: Columbus, OH, 2016 – 2018, 2024 – Present

Rejoined the organization in 2025 after a successful earlier tenure from 2016 to 2018, continuing to deliver high-impact software solutions and strategic consulting for clients across industries.

Clients and Projects:

Lark

Senior level individual contributor on a greenfield project team responsible for architecting, designing, developing a complete rebuild of the Lark Health mobile app using Expo, React Native and TypeScript. Key contributions include:

- Architected and built out complete CI/CD pipeline using GitHub and Expo Application Services.
- Architected and developed several new feature screens and functionality for app's settings feature.
- Used Maestro and Maestro cloud in conjunction with GitHub to build out automated end to end tests for all features.
- Used Cursor and Google Gemini extensively to significantly increase development productivity and significantly improve feature turnaround time.

Mattress Firm

- Partnered with the analytics team to identify and resolve complex tracking issues, significantly enhancing the accuracy and consistency of site analytics.
- Led a full refactor to eliminate a legacy UI framework, improving code maintainability, performance, and developer experience.
- Directed the upgrade of the entire website to the latest versions of React and Next.js, unlocking modern features and performance enhancements critical to future scalability.

Amazon AWS

- Key contributor in enhancing the open-source, cross-platform PostgreSQL ODBC driver with support for AWS Aurora features, including Authentication via IAM, Okta, Secrets Manager, and Federated Identity, Aurora Limitless support.
- Added cross-platform build support and GitHub CI workflows for automated building and testing on Windows, macOS, and Linux

Sherwin-Williams

- Contributed to the development and deployment of robust, scalable Java/Spring Data APIs for the Customer and Territory domains as part of a company-wide data domain consolidation initiative.
- Developed automated OpenAPI documentation using Spring WebFlux and springdoc-openapi annotations, published via Stoplight, and authored the standardized documentation process adopted company-wide.
- Implemented the circuit breaker pattern to improve the resiliency of database operations, enabling automatic failure detection, recovery, and integrated reporting to monitor and track system health.

Abercrombie & Fitch

- Collaborated with the front-end development team to implement a comprehensive redesign of the checkout experience on the customer-facing website, resulting in a significantly improved user experience and increased conversion rates.
- Partnered with the back end/server team to enhance checkout-related APIs, improving performance, reliability, and integration with other systems.
- Technologies: HTML5, SASS/CSS, JavaScript, IBM WebSphere Commerce, IBM DB2

OSU Health Plan

- Designed and implemented enhancements to the LinkToHealth web application, enabling members and care coordinators to more easily manage health plan details and improving overall usability.
- Developed and maintained ETL jobs using Pentaho Data Integration, incorporating SQL scripting and transformation logic to efficiently move and synchronize large volumes of data across internal and external systems.
- Technologies: Java, MySQL, SQL, Pentaho Data Integration

Additional Responsibilities:

- Serving as Columbus Office Coordinator for ImprovingU, an internal training initiative. Responsibilities include gathering course ideas, recruiting instructors, and managing logistics for technical and non-technical training sessions.
- Participated in sales and estimation meetings with prospective clients, contributing technical insights to help secure new business opportunities.
- Provided one-on-one mentoring to technical consultants, supporting their professional growth and technical development.

Senior Product Engineer, Empora Title: Fully Remote, 2021 – 2024

Projects and Responsibilities:

- Led architecture and development of a new real estate title software platform, built from the ground up. The platform enables customer service teams, real estate agents, and clients to efficiently initiate, track, and close residential real estate transactions end-to-end with speed and accuracy.
- Designed and delivered new client/server features for the platform, transforming high-level requirements and UI designs into fully implemented, production-ready functionality. Responsibilities included technical and database design, task planning, implementation, testing, and deployment. These enhancements significantly improved user experience and reduced transaction SLA times.
- Collaborated closely with product management and design teams to clarify requirements, evaluate solution alternatives, and ensure alignment with user needs and business goals.
- Conducted daily peer code reviews to uphold high standards of software quality, maintainability, and performance across the engineering team.
- Managed production support on a rotating basis, triaging and resolving user-reported issues. Worked directly with end users to diagnose problems and deliver timely, effective solutions.
- Technologies: Ruby on Rails, PostgreSQL, TypeScript, JavaScript, Ember JS, GitHub, Linear, Sentry, New Relic

Senior Software Engineer, Root Insurance: Columbus, OH, 2018 – 2021

Projects and Responsibilities:

- Designed and implemented a billing date change feature, enabling policyholders to select their preferred monthly billing date resulting in improved customer satisfaction and retention.
- Developed the “Savings Finder” feature, allowing customers facing financial hardship to adjust coverage levels, helping retain users who might otherwise cancel their policies.
- Built and launched auto insurance rating and quoting functionality for new states within the mobile app, directly supporting Root’s geographic expansion strategy.
- Created in-app customer growth and engagement features, driving increased user acquisition and referral activity through targeted, user-friendly experiences.
- Extended key mobile features to the customer-facing website, ensuring a consistent and seamless user experience across platforms.
- Implemented backend functionality using Ruby on Rails and PostgreSQL, including schema design and API development to support both mobile and web features.

- Managed server deployments to AWS, including post-deployment support and monitoring to ensure stability and performance.
- Technologies: Ruby on Rails, React, React Native, PostgreSQL, Mocha, Jest, RSpec, HTML, CSS, JavaScript

Director, Technology Solutions and Solutions Architect, Leading EDJE: Dublin, OH, 2012 – 2016

Projects and Responsibilities:

- Architected, designed, and developed a native Android mobile app and corresponding server-side solution for a major trucking company. The app enables service technicians to intelligently diagnose and service vehicles, improving efficiency and accuracy in the field.
- Designed and developed a proof-of-concept wearable solution, including an iPhone app and companion Apple Watch app, allowing service technicians to manage work orders and track workflow directly from their wrists.
- Led the architecture and development of a hybrid mobile app (iOS and Android) for a mortgage closing company, streamlining the assignment and management of closings for notaries.
- Built and tested an Android tablet app used by over 1,200 service technicians to automate work order management and timesheet tracking, significantly improving operational workflow.
- Developed a native iOS app for the sales team to calculate consultant margins, enabling quick and accurate financial assessments on the go.
- Implemented push notification support for a native Android app, ensuring timely alerts for critical equipment events and enabling immediate user response.
- Technologies: Apple SDKs, Android SDK, Objective-C++, Java, JavaScript, HTML, CSS

Additional Responsibilities:

- Participated in mobile client sales meetings to support business development efforts and help secure new opportunities for custom mobile app solutions.
- Collaborated with the CTO to define and evolve the company's technology roadmap, aligning future client engagements with emerging trends and strategic goals.
- Authored technical articles for the company's monthly newsletter and website, sharing insights on mobile development, industry trends, and best practices.

Advisory Software Engineer, IBM (formerly Sterling Commerce from 2000-2010): Dublin, OH, 2000 – 2012

- Designed, developed, and tested numerous features for IBM Sterling B2B Integrator (B2BI), a Java-based multi-enterprise integration suite used globally by Fortune 500 companies.
- Contributed to the development of Gentran Server for Windows (GSW), a C++/MFC-based enterprise solution for order processing and data translation.

Technical Analyst, The Limited, Inc.: Columbus, OH, 1998 – 2000

- Developed, tested, and deployed TCP/IP-based credit card authorization functionality and sales reporting applications for Bath & Body Works point-of-sale systems.
- Created IT management utilities to support store operations and reporting.

Software Engineer III, Diebold, Inc.: Canton, OH, 1996 – 1998

- Developed and tested Rich Text Format (RTF) text box functionality, banking rules logic, and PIN verification features for a major banking client's ATM software platform.

Staff Programmer, Lexmark International, Inc.: Lexington, KY, 1989 – 1996

- Designed, developed, and tested a Windows 3.1-based network printer management application, enabling remote printer administration over multiple protocols.
- Contributed to innovations that resulted in six U.S. patents related to network printer management.

Patents

- [5,699,494](#) Remote replication of printer operator panel
[5,720,015](#) Method and apparatus for providing remote printer resource management
[5,727,135](#) Multiple printer status information indication
[5,819,015](#) Method and apparatus for providing remote printer resource management
[5,905,906](#) Method and apparatus for configuring multiple printers on a network
[6,112,256](#) Method and apparatus for configuring the physical setup of multiple printers on a network

Education

University of Cincinnati, Cincinnati, OH - Bachelor of Science with Honors in Computer Science, 1989

Speaking Engagements

- A Swift Introduction to Swift (pun intended)
M3 Conference, Columbus Code Camp
- AWS Java Lambda Functions with Kotlin
Beer City Code, Ohio DevFest
- Boost Your Team's Bus Factor: Creating Docs That Work
Momentum Developer Conference
- Dogs and Cats, Living Together: Kotlin, Spring Boot and REST on Azure
Momentum Developer Conference, Music City Tech, DogFoodCon
- How a Senior Engineer with 30+ Years Under His Belt Stayed and Advanced on the Technical Track
Momentum Developer Conference
- Hybrid or Native – What Should Be Your Mobile Strategy and Why
M3 Conference
- Implementing Push Notification Support in Your Android Application
CodeMash, M3 Conference, That Conference
- Living on Borrowed Time; or Dude, Where Are the Docs?
CodePaLOUsa, Path to Agility, DogFoodCon, Columbus Code Camp
- Real World Mobile App Development Using PhoneGap
M3 Conference, StirTrek