



KAI WEDEKIND

Lead Software Engineer @ IBM



IBM, Ehningen, BW, Germany



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PROFILE

Seasoned Full Stack Software Engineer with 10+ years of experience building scalable, user-focused software solutions that solve real business problems.



ACHIEVEMENTS

2024 | IBM Entrepreneur Award

Awarded to IBMers who produce breakthrough solutions to complex problems, streamline processes, and improve productivity, speed, and results for IBM and our clients.

2020 | IBM Special Equity Award

Rewards IBM's highest contributors and those who are needed the most for IBM's future success.

2019 | Eminence and Excellence Cash Award + 2 Manager's Choice Awards

Recognizes outstanding achievements and contributions made by IBM employees.

2017 | Outstanding Technical Achievement Award (OTAA)

Recognizes individuals and teams for outstanding technical achievements in innovation, pioneering and complexity. Awarded to employees who have demonstrated exceptional technical skills and contributions to IBM's business and customers.



SKILLS

AI/LLM:	watsonx, Langchain, LangGraph, Langflow, MCP
Backend:	Python, FastAPI, Node.js, gRPC, GraphQL, IBM MQ, IBM Event Stream (Kafka)
Testing:	Pytest, Jest, Vitest, Playwright, Performance testing (k6)
Databases:	Postgres, Redis, Cloudant, ClickHouse, ElasticSearch
Frontend/UI:	Vue.js, React.js, Astro.js, LWC (Lightning Web Components), JavaScript, HTML5 / CSS, Carbon Design System, Accessibility (A11y)
Code Quality:	Ruff, MyPy, Prettier, ESLint
Cloud / DevOps:	Kubernetes, Docker, IBM Code Engine, Tekton, CI/CD, Podman
Operating systems:	MacOS, Linux



PROJECTS

AskSales 2.0

Lead developer for an AI-powered sales assistant with AI agents using Agentstack, BeeAI, LangGraph & watsonx.ai.

AgentStack

Open-Source contributor to the BeeAI project, which is part of the Linux Foundation AI & Data program. Enabled external Agent communication, fixed documentation and the server url on the OpenAPI page.

Link: <https://github.com/i-am-bee/agentstack>

PROJECTS

Magma

Lead developer and maintainer of a development framework to accelerate the creation of AI applications powered by watsonx.ai. Magma provides a set of trusted components to greatly simplify the use of watsonx.ai and RAG. Magma empowers teams to focus on novelty of their ideas rather than addressing technical dependencies. In 2025, Magma served value to other teams with 2.38M transactions. I led business process improvements and the development of 2.5x performance improvements in Magma services and created a new pipeline to allow teams to use vision models from watsonx.ai.

Bifrost Automation Framework

Led the development and execution of an event-driven automation framework designed to streamline and enhance various business processes with IBM support case events. It enables teams / organizations to automate and optimize their support operations. The framework streamed 150M transactions to 10+ teams.

Call Home Case Automations

IBM highly encourages all clients to take advantage of the Call Home functionality to allow customers and IBM to partner for success. With Call Home enabled, a system is effectively monitored 24x7x365. IBM clients benefit from faster response times, faster problem determination, and effectively reduced risk over an unmonitored system. As lead developer and maintainer, I made the initial code production ready, enhanced the onboarding process of new support missions and executed the onboardings. Call Home Case Automations produced \$10M business value with 840K+ transactions.

Carbon for Salesforce

Led an interdisciplinary development team that built the foundation of the user experience for 1800+ partners that use IBM Partner Plus and the IBM Partner Plus Portal.

Work Prioritization

Led the initial PoC development. Work prioritization gives support agents tools to use, that help them work through their case backlogs most efficiently, considering competing priorities. In 2025, Work prioritization produced \$49M in business value with 630K+ transactions.

WORK EXPERIENCE

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|----------------|--|--|
| 2021 - present | | <i>Advisory Software Engineer / Lead Engineer</i>
Lead the development, maintenance and process improvements of multiple AI and automation projects. Simplify and automate various business and development processes. |
| 2017 - 2021 | | <i>Software Engineer</i>
Developed full-stack applications using JavaScript, GraphQL, and NoSQL. Prototyped innovative ideas and contributed to internal tooling. |
| 2015 - 2017 | | <i>Associate Software Engineer</i>
Created responsive applications and components for a number of projects. Developed a modular component library that transformed the user experience in IBM support. |