

Jan Wagner



Senior Full-Stack Engineer

C# • .NET • Azure • Modern Web • Mobile • AI
Clean Architecture & High-Performance Applications

Linz, Austria

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GitHub: github.com/jawa-gh

Senior Full-Stack Software Engineer with 10+ years of experience building secure, scalable applications using C#, .NET Core, ASP.NET Core, Azure, and modern web/mobile frameworks. I deliver clean, maintainable code, design modular backend systems following Clean Architecture principles, and build high-quality frontends that perform in production. I am skilled in cross-platform apps, enterprise integrations, Azure cloud services, CI/CD, DevOps, cloud infrastructure, AI-powered features and end-to-end software delivery for real-world business environments.

CORE QUALIFICATIONS

- C#, .NET, .NET Core, ASP.NET Core, Blazor, EF Core, REST, gRPC, SignalR, API, OAuth, SQL
- React, React Native, Angular, Next.js, Node.js, Expo, TypeScript, JavaScript, HTML, CSS, SCSS, Tailwind CSS
- Clean Architecture, SOLID, DDD, OOP, Microservices, Cloud-Native
- Docker, Kubernetes, Azure, Microsoft Entra ID, CI/CD, DevOps, PowerShell, Infrastructure-as-Code
- OpenAI, Anthropic, MistralAI
- Unit Testing, Integration Testing, Playwright
- Git, Atlassian, Agile, Code Reviews, Monitoring, Migration

EDUCATION, ADVANCED TRAINING

Certifications

- Microsoft Certified: Azure Developer Associate [AZ-204]: first earned 2021; renewed yearly
<https://learn.microsoft.com/api/credentials/share/en-us/JanWagner-6415/6C382E51FA52C44C?sharingId=87E1B05BD4431E89>
- AWS Certified Developer – Associate: 2016

Academic Background

- BSc in Software Engineering — University of Applied Sciences Upper Austria, Hagenberg 2012–2017. Extra-occupational studies with focus on applied software development and engineering principles.
- Grammar School: 1997 – 2005

PROFESSIONAL EXPERIENCE

coilDNA GmbH | 11.2019 – 02.2026 | Full-Stack Software Engineer

- Developed, implemented and maintained C# .NET Core backend Services for product tracking data processing
- Designed, implemented and maintained REST APIs and Frontend Systems
- Engineered multi-layered, modular backend systems aligned with Clean Architecture principles
- Designed Azure cloud infrastructure, IaC, including ACR, Azure Resource Groups, App Services, Azure Entra ID, Azure Container Registry, Azure Network Security Groups, SQL Server Databases, Storage Containers
- Implemented CI/CD pipelines and automated deployment using Azure DevOps
- Introduced automated E2E testing using Playwright and integration with CI/CD
- Engineered multi-layered software solutions and distributed systems
- Integrated external services via REST APIs
- Developed Dashboard & Administration Web Portal (Razor Pages, MVC, REST, Angular)
- Delivered Cognitive Services solution enabling handheld devices to scan DotMatrix fonts and extract product data.
- Analyzed, clarified and refined business and technical requirements in close collaboration with Product Owners and developers
- Jira and Confluence workflow management: Kept track of development tasks in Jira and maintained technical documentation and architectural records in Confluence
- Provided mentorship to a junior developer, guiding them in cloud services, improve code quality

Tech Stack: DDD, Clean Architecture, C# (Net8, Net10, C#12), ASP.NET Core, Razor Pages, MVC, EF Core, Angular, TypeScript, SignalR, Docker, Kubernetes, SQL, PowerShell, REST, gRPC, OAuth, JWT, Duende Identity Server, AI, HTML, CSS, MS Azure, DevOps, CI/CD, Infrastructure-as-Code, YAML, JSON, SaaS, OpenAPI, Swagger, SDK, Git, Jira, Confluence

References:

<https://www.coildna.com/>

<https://demo.coildna.com/>

<https://admin.coildna.com/>

Avocado GmbH | 09.2017 – 10.2019 | Full-Stack Software-Engineer, Consultant

- Analyzed, clarified and refined business and technical requirements in close collaboration with Product Owners and developers
- Developed and integrated enterprise-grade solutions for *KTM*, maintaining consistent architectural standards
- Integration of external systems via REST APIs
- Delivered REST/SOAP services and SQL integrations to support business operations
- Designed and implemented high-performance search capabilities for *KTM DEALER.NET* by utilizing Apache Solr
- Contributed to the development of a work-order tracking system for *Fronius*
- Developed full-stack features across C#, Java, ASP.NET, and Angular
- Kept track of development tasks in Jira

Tech Stack: Java, C#, ASP.NET, SQL, HTML, CSS, JavaScript, TypeScript, MS Azure, Git, Jira, Confluence

Webroot Austria GmbH | 04.2015 – 08.2017 | Software Reliability Engineer, Full-Stack Software Engineer

- Developed REST APIs for a cloud-based antivirus platform, enabling secure, scalable integration for enterprise customers and third-party systems
- Designed and implemented monitoring solutions
- Built cloud infrastructure in AWS
- implemented infrastructure-as-code and deployment automation

Tech Stack: C#, ASP.NET, JavaScript, HTML, CSS, REST, SOAP, AWS, PowerShell, SQL, OAuth, Identity Server

IT/PRO – Consulting & Software GmbH | 07.2014 – 03.2015 | Software Engineer

- Designed and implemented Microsoft Dynamics CRM plugins to extend core platform functionality, enforce business rules, and automate key workflows

Tech Stack: C#, ASP.NET, SQL, JavaScript, HTML, CSS, Microsoft Dynamics CRM

FREELANCE & PROJECT EXPERIENCE

faktor2 GmbH, Switzerland | 07.2024 – 07.2026

Parking management web app for reporting illegal parking (Full-Stack, Architecture)

- Provided architectural consulting and full-stack implementation in C# .NET Core of a parking enforcement web platform enabling authorized users to report and fine illegally parked vehicles
- Analyzed and clarified business and technical requirements in collaboration with Project Leader and the Customer
- Built secure user flows, rights/role management, case management, and data persistence
- Designed, implemented and maintained REST APIs and Frontend Systems
- Delivered complete backend + frontend solution (Razor Pages, REST)
- Created tests and quality checks to ensure reliability and consistency across the project
- Coordinated and supported other frontend developers, ensuring consistent implementation quality and smooth collaboration across the whole project
- Figma: Implementation of UI/UX specifications
- Server and hosting Management
- Kept track of development tasks in Jira and maintained documentation in Confluence

Tech Stack: DDD, C#, Net8, Net10, ASP.NET Core, Razor Pages, SignalR, AI, REST, gRPC, OAuth, HTML, CSS, Javascript, MySQL, Plesk Server, Figma, OpenAPI, YAML, JSON, Swagger, Git, Jira, Confluence

References:

<https://faktorzwei.ch/>

<https://parkguard.ch/>

Mobile App – Daily Haiku Alerts | 02.2026 – 05.2026

AI-powered mobile app delivering daily haiku poems and generative artwork using LLM-based text and image models (React Native Cross-Platform)

- Cross-platform development using Expo, React Native, Typescript, and modular component architecture
- Serverless backend design using stateless API endpoints for poem and image generation, credit handling, and user content retrieval
- State management for daily content delivery
- In-app purchase architecture using RevenueCat for cross-platform entitlements, unified receipt handling, and a credit-based monetization model
- CI/CD pipelines for automated builds, OTA updates, and release management
- App Store delivery with published releases on Google Play and the Apple App Store

Tech Stack: React Native, Expo, OpenAI, Typescript, GCP, Firebase, RevenueCat, Android, iOS, CI/CD, App Store, Google Play

References:

<https://github.com/jawa-gh/DailyHaikuApp>

<https://play.google.com/store/apps/details?id=com.jawsharp.dailyhaiku>

<https://apps.apple.com/us/app/daily-haiku-poems/id6771274967>

CultureClub Kulturagentur UG, Germany | 04.2025 – 12.2025

Product scanning App for Android/iOS with AI integration (React Native Cross-Platform)

- Designed architecture and full implementation of cross-platform mobile app with React Native and Expo
- Integrated camera capture, gallery picker, AI-powered product recognition, in-app purchases
- Used MistralAI and OpenAI for intelligent product analysis
- In-app monetization via a credit-based purchase system for additional Scans
- CI/CD pipelines for automated builds, OTA updates, and release management
- Published to Google Play and Apple App Store

Tech Stack: React Native, Expo, MistralAI, OpenAI, Typescript, Android, iOS, CI/CD, App Store, Google Play

References:

<https://cultureclub.gmbh/>

<https://cultureclub.gmbh/productorigin-labelcheck.html>

<https://apps.apple.com/de/app/productorigin-labelcheck/id6744672616>

<https://play.google.com/store/apps/details?id=com.cultureclub.productorigin>

velpTEC GmbH, Germany | 02.2023 – 04.2023

Azure consultant improving cloud performance and infrastructure

- Analyzed and optimized Azure cloud environments, improving performance, reliability, and cost efficiency
- Implemented automation and infrastructure improvements using PowerShell and C#

Tech Stack: Azure Cloud Services, Kubernetes, Docker, Powershell, C#, IaC, Monitoring

Startup | 06.2020 – 06.2022

Cross-Platform social networking app

- Built mobile and web components across multiple frameworks and cloud providers
- Designed, architected and implemented cross platform mobile app

- Designed serverless backend for user administration
- Designed and implemented chat functionality with cloud integration
- Implemented Amazon Simple Notification Service for OTP authentication

Tech Stack: Flutter, Dart, Google Cloud Platform, Firebase, Amazon Web Services, Microsoft Azure, Typescript, Angular, NativeScript, React Native, NoSQL

Startup / 05.2017 – 01.2019

Web application for order recording

- Designed, architected and implemented a full web application for order recording and workflow management for a local startup
- Designed and implemented REST API
- Designed and architected AWS cloud infrastructure

Tech Stack: C#, ASP .NET Core, Amazon Web Services, JavaScript, Typescript, SQL

Sheba / 07.2016 – 01.2017

Enhancement and modernization of an existing web application

- Refactored and extended existing system
- Implemented newsletter service
- Modernized the data layer

Tech Stack: C#, ASP .NET Core, JavaScript, HTML, CSS, SQL

OTHER

Wacker Neuson Linz GmbH / 09.2011 – 12.2013 / Payroll Accountant

- Managed personnel accounting via SAP and supported HR projects

a-phone GmbH / 05.2009 – 08.2011 / Technical Advisor

- Provided technical support and customer service in telecommunications.

LANGUAGES

- German: Native
- English: Professional working proficiency