

stephan@weyarn: \$ whoami

Stephan / Bail

> Freelance Microsoft Azure Architect · since 2018

AVAILABLE: immediately MODE: Remote · DACH / EU RATE: on request

**LOCATION**
83629 Weyarn ·
Germany**CONTACT**
kontakt@
stephanbail.com**EXPERIENCE**
8+ years on Azure**STATUS**
● online ·
stephanbail.com

§ 01 · PROFILE

Since 2018, I have been supporting mid-sized to large enterprises as a freelance Microsoft Azure Architect, delivering complex cloud transformations end to end. My focus areas are Azure Landing Zones, API Management at scale, Infrastructure as Code and modern .NET engineering. I don't just relocate workloads, I re-engineer them. Alongside my consulting work, I design and ship KeyVault Studio, my own Swift-native product for macOS and iOS on the App Store.

8+
YEARS ON AZURE**10+**
ENTERPRISE
PROJECTS**130+**
APIS ON PLATFORM**2**
COMPANIES FOUNDED

§ 02 Core skills

02 modules

// CLOUD & PLATFORM

- Azure Cloud Architecture (Design & Strategy)
- Azure API Management (APIM)
- Azure Landing Zone / CAF
- Multi-Cloud (Azure & AWS)
- Serverless & Event-Driven

// ENGINEERING

- C# · .NET 8 / .NET 9
- Swift / SwiftUI
- Modern TypeScript / Angular
- Microservices & REST APIs
- Elasticsearch

// INFRASTRUCTURE & DEVOPS

- Terraform & Bicep
- Azure DevOps · GitHub Actions
- Kubernetes (AKS)
- Hub-Spoke networking
- CI/CD & DevSecOps

// SECURITY & GOVERNANCE

- Entra ID · IAM · PIM
- Azure Policy · Defender
- Zero-Trust architectures
- BaFin & Compliance
- ISO 27001

§ 03 Experience

03 modules

2025 - present
INSURANCE

Azure Platform Engineer · API Management

HDI Versicherung

Hannover

Evolving HDI's group-wide Azure API Management platform as the backbone of their Internal Developer Platform.

- > Built reusable Terraform modules for a unified APIM baseline across 130+ live repositories
- > Migrated API linting from Zally to Spectral, the new market standard, repository-wide
- > Optimized YAML-based Azure DevOps workflows and onboarded new API providers
- > Drove the Internal Developer Platform and its governance processes

Azure APIM Terraform Spectral Azure DevOps Multi-Region

Oct 2024 - 2025
MANUFACTURING

Microsoft Azure Cloud Engineer

TRUMPF SE + Co. KG

Ditzingen

Leading analytics initiatives in a multi-cloud landscape (Azure + AWS) focused on Elasticsearch-based data evaluation.

- > High-performance .NET 8 / .NET 9 and C# 13 for data evaluation on Elasticsearch
- > Scalable PaaS architectures enabling data-driven insights across cloud environments
- > Multi-cloud integration across Azure and AWS

Azure AWS .NET 9 C# 13 Elasticsearch

Apr 2023 - Apr 2025
ENERGY

Cloud Architect (Microsoft Azure)

E.ON Digital Technology GmbH

Essen

Re-architected the Heartbeat Information Router (HIR), an Azure-hosted platform, and integrated new business domains.

- > Architecture analysis and redesign of the HIR platform on C# 13 and .NET 9
- > Coordinated integration of new business domains into HIR with focus on compatibility and performance
- > Enterprise consulting across E.ON's Azure landscape
- > Optimized internal processes through targeted use of Azure services

Azure .NET 9 C# 13 API Management

2022 - 2023
MANUFACTURING

Azure Enterprise Architect

GEA Group

Düsseldorf

Reviewed and extended the existing Azure landing zone, coached developer teams and led the enterprise-scale landing zone project.

- > Architecture reviews and optimisation of existing Azure workloads
- > Designed targeted landing zones aligned with the Cloud Adoption Framework
- > Coaching and enablement of internal cloud teams

ALZ CAF Azure DevOps

2020 - 2021
LOGISTICS

Azure Enterprise Architect

Nagel-Group

Versmold

Built a secure, group-wide Azure landing zone aligned with Microsoft CAF, addressing regulatory requirements and modern private networking.

- > Secure Azure landing zone aligned with CAF and compliance requirements
- > Modern private-networking concept (Hub-Spoke) and corporate network integration
- > Guidance for large-scale IaaS/PaaS initiatives, IAM and cost management
- > Enablement of key roles in cloud security, monitoring and FinOps

Azure Terraform AKS Hub-Spoke CAF

2019 - 2021
INSURANCE

Azure Solution Architect

Versicherungskammer Bayern

München

Technical conception of IAM integrations, migration concepts and cloud-based architectures under BaFin regulations.

- > Integrated additional systems with the existing Identity Management
- > Introduced Azure DevOps for CI/CD
- > Architected new cloud-based solutions
- > Authored technical documentation and operating manuals

Azure Azure DevOps IAM

2019 - 2020
AUTOMOTIVE

Cloud Solution Architect

BMW Group

München

Designed the landing zone architecture for BMW's global Azure environment, focused on hybrid cloud security and hyperscaler network strategy.

- > Designed and architected the global Azure environment
- > Evolved security automations based on Azure Functions
- > Consulting on IoT, Machine Learning and IT security
- > Independent Azure vs. AWS comparisons for ConnectedDrive initiatives

Azure Hybrid Cloud ExpressRoute .NET Core

2018 - 2021
ENERGY

Cloud Engineer (Microsoft Azure)

E.ON Digital Technology GmbH

Essen

Built resource-efficient, highly available microservices in Azure using sophisticated multithreading strategies.

- > Resource-efficient architecture (optimised Request Units)
- > Serverless with Azure Functions, Cosmos DB, Data Lake, API Management
- > Strict adherence to security and performance requirements

.NET Core C# Cosmos DB Azure Functions

2019 - 2020
SHIPPING

Cloud Data Engineer

Oldendorff Carriers

Lübeck

Designed and implemented a cloud-based data warehouse using Azure Synapse, Data-bricks and Data Factory.

- > Migration of existing data-engineering infrastructure to Azure
- > Partition strategy, incremental loads, analytic storage
- > CI/CD with GitHub Enterprise and GitHub Actions

Synapse Databricks Data Factory Azure SQL

2017 - 2020
SOFTWARE

Cloud Solution Architect

ELO Digital Office

Stuttgart

Fully automated Terraform deployments, Hub-Spoke network segments and IT security within a hardened Azure environment.

- > Infrastructure as Code with Terraform
- > Hub-Spoke network design
- > IT security and hardening of the Azure environment

Terraform Hub-Spoke Azure

2015 - 2017
ERP SOFTWARE

Chief Technology Officer · Software Engineering

c-entron software gmbh

Stuttgart

Strategic and technical leadership of the ERP software roadmap, managing a 20-person engineering team and driving the software's cloud transformation.

- > Led ~20 developers, architects and IT specialists
- > Drove the software solution's cloud transformation
- > Architecture, mockups, requirement specifications, supplier negotiations
- > Hands-on engineering with .NET (C#), Angular and WPF

.NET C# Angular WPF Xamarin

§ 04 Own product

04 modules

2024 -
heute / present
KEYVAULT.STUDIO

KeyVault Studio

Founder · Developer · Designer

Swift-native Mac and iOS app for Azure Key Vault, designed, built and shipped solo.

- > Commercial product on the Apple App Store (macOS, iPadOS, iOS)
- > Keyboard-first workflow for secrets, keys and certificates
- > Multi-tenant, Entra ID sign-in, on-device AI
- > Built entirely solo: concept, design, code, release, support

Swift SwiftUI MSAL CryptoKit On-device AI

§ 05 Entrepreneurship

05 modules

2020 - 2023

Cloud Business Group (CBG IT GmbH)
Co-Founder & CEO
Co-founded and led. Responsible for strategy, governance and business development around cloud-focused initiatives.

2022

PRW Legal Tech GmbH
Co-Founder
Founded with the focus on professional legal-tech services.

§ 06 References

06 modules

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An amazing Azure architect who has successfully transferred his knowledge to non-technical experts as well as IT architects. Highest recommendations.

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Walter Wirl
Chief Technology Architect · Cancom

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Stephan Bail delivered a highly scalable Azure solution meeting E.ON's rigorous quality and safety standards. Consistently professional, with excellent communication.

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Olaf Franke
Business IT Germany · E.ON Digital Technology

§ 07 Personal data & industries

07 modules

BIRTHDAY	NATIONALITY	LANGUAGES	UST-IDNR.
13 February 1987	German	German (native), English (fluent)	DE815765712

// INDUSTRY EXPERIENCE

- Insurance
- Energy
- Automotive
- Manufacturing
- Logistics
- Shipping
- Software & ERP