



Stephan Bail

MICROSOFT AZURE ARCHITECT

CONTACT

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LOCATION

Prälaturhof 1
83629 Weyarn
Germany

AVAILABLE

immediately

Rate: on request
Mode: Remote • DACH / EU

FOCUS AREAS

CLOUD & PLATFORM

- Azure Cloud Architecture (Design & Strategy)
- Azure API Management (APIM)
- Azure Landing Zone / CAF

ENGINEERING

- C# • .NET 8 / .NET 9
- Swift / SwiftUI
- Modern TypeScript / Angular

INFRASTRUCTURE & DEVOPS

- Terraform & Bicep
- Azure DevOps • GitHub Actions
- Kubernetes (AKS)

SECURITY & GOVERNANCE

- Entra ID • IAM • PIM
- Azure Policy • Defender
- Zero-Trust architectures

CURRICULUM VITAE • 2026

Freelance Microsoft Azure Architect • since 2018

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

01 EXPERIENCE

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-

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



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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



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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, Databricks 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

02 OWN PRODUCT

2024 -
heute / pre-
sent

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

03 ENTREPRENEURSHIP



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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 profes-
sional legal-tech services.

04 REFERENCES

«An amazing Azure architect
who has successfully trans-
ferred his knowledge to non-
technical experts as well as IT
architects. Highest recommen-
dations.»
Walter Wirl
Chief Technology Architect ·
Cancom

«Stephan Bail delivered a highly
scalable Azure solution meeting
E.ON's rigorous quality and
safety standards. Consistently
professional, with excellent
communication.»
Olaf Franke
Business IT Germany · E.ON
Digital Technology

05 PERSONAL DATA & INDUSTRIES

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

INDUSTRY EXPERIENCE

Insurance Energy Automotive Manufacturing Logistics Shipping Softw