Position:	**Senior Cloud Architect**
Name:	Sturla Bragason
Available from:	September 2025
Year of birth:	1986
IT experience:	Since 2010
Education:	2013-2013 – Bachelor, Mechatronics - Keilir Institution of Technology (unfinished)

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Profile summary: A Senior Cloud Platform Engineer and Architect with 7 years of IT experience , specializing in building and automating secure, scalable Azure environments from the ground up. Combines expert-level proficiency in Infrastructure-as-Code (Terraform, Bicep) , CI/CD automation (Azure DevOps, GitHub Actions) , and containerization (Docker, AKS) with strategic solution design. Excels at leading cross-functional teams to deliver complex projects, from HPC solutions and real-time transcription systems to LLMOps frameworks.

Competence levels: *Expert*, *Very experienced*, *Experienced*, *Good knowledge*, *Some knowledge*.

	Competence	Level	Last used	Years
Working area				
	Enterprise Architecture	Expert	2025	5
	Platform Engineering	Expert	2025	6
	Advisory	Expert	2025	10
	Cloud Solutions	Expert	2025	5
	Cloud Security	Very experienced	2025	7
	Documentation	Expert	2025	12
	Identification of Needs	Expert	2025	7
	Implementation	Expert	2025	7
	Cloud Adoption Framework	Expert	2025	5
	Infrastructure Architecture	Expert	2025	5
	Enterprise Scale Landing Zones	Expert	2025	5
	Cloud Migration & Modernization	Expert	2025	7
	Workshop	Expert	2025	7
	Agile Methodologies (SCRUM, Kanban)	Expert	2025	5
Technologies				
	Containers	Expert	2025	5
	CI/CD Pipelines	Expert	2025	5
	Azure Data Factory	Expert	2025	5
	Github Actions	Expert	2025	5
	Azure Synapse	Expert	2022	1
	Azure SQL	Expert	2024	5
	Azure ML	Expert	2025	2
	GitHub Actions	Expert	2025	5

	Azure Networking	Experienced	2025	5
	Azure WAN	Experienced	2022	1
	Azure Storage	Expert	2025	9
	Azure VMs	Expert	2025	9
	Azure Active Directory/Entra ID	Expert	2025	8
	Azure Backup & DR	Good knowledge	2024	1
	ARM Infrastructure-as-Code	Expert	2022	1
	Terraform Infrastructure-as-Code	Expert	2025	5
	Bicep Infrastructure-as-Code	Expert	2025	3
	Azure Virtual Desktop (AVD)	Very experienced	2023	5
	Azure Functions/web apps	Expert	2025	5
	Azure Policy	Expert	2025	5
	Defender for Cloud	Expert	2025	4
	Azure Monitor	Good knowledge	2025	6
	Azure Kubernetes Service	Expert	2025	4
	GitHub Actions	Expert	2025	3
	Microsoft Sentinel	Good knowledge	2023	1
	Azure API Management Service	Good Knowledge	2023	1
	Azure Data Factory	Experienced	2023	3
	Azure Logic Apps	Very experienced	2023	3
	Powershell	Expert	2025	11
Platforms				
	Microsoft Azure	Expert	2025	9
	AWS	Experienced	2023	3
	GCP	Some knowledge	2021	1
	Digital Ocean	Some knowledge	2025	4
	Azure Devops	Expert	2025	5
	Github	Expert	2025	6
	Gitlab	Expert	2024	3
	Forgejo	Expert	2025	1

Languages:

Language	Spoken level	Written level
Danish	Third Language	Presentation proficient
English	Second Language	Expert
Icelandic	First Language	Native

Project experience:

Period:	2023 – 2025
Client:	**DTU**
Project description:	Initially joined as DevOps engineer to deploy Cloud Adoption Framework (CAF) via a custom Terraform module developed by Devoteam's internal team. The engagement evolved into a multi-role position encompassing architect, product owner, project manager, SCRUM master, developer, trainer, and advisor responsibilities. Over two years, implemented multiple security features for DTU's Azure estate, executed cloud migration of pre-existing infrastructure and improved the security score by 25% (from an already high baseline). The team operated as comprehensive support for the entire Azure estate spanning hundreds of subscriptions with substantial consumption across the organization. Designed and developed all DevOps CI/CD pipelines, documentation, Terraform modules, and custom logical wrappers tailored to DTU requirements. Led cross-functional development teams including security specialists, system administrators, junior developers, trainees, and domain specialists. Implemented custom Python modules for reporting, email notifications, cost analysis, and DTU-specific features. **Implemented different flavours of Azure Landing Zones (Platform, Online, Data).** **AI Search Initiative:** Solo-deployed a Microsoft-sponsored Minimum Viable Product for AI-assisted RAG search functionality in one month, enabling near real-time transcription and indexing of organizational lectures with frontier model integration for complex contextual queries. **The consultant's responsibilities/actions were:** ● Solution design and architecture implementation ● Architecture design and implementation ● DevOps CI/CD pipeline development and maintenance ● Custom Terraform module development and optimization ● Cross-functional team leadership and coordination ● Python automation and reporting module development ● Cost optimization strategies resulting in 40% reduction in cloud spend ● Technical training and knowledge transfer ● Security roadmap development ● Analysis and recommendations delivery ● Implementing Microsoft Defender for Cloud recommendations ● Security hardening with focus on DevOps and IAM best practices ● Project management and SCRUM facilitation

	● Ad-hoc advisory services
Used technologies:	Azure DevOps, Git, Terraform, Python, Azure Cloud Adoption Framework, Microsoft Defender for Cloud, Azure OpenAI, Azure AI
Role in project:	Solution Architect, Technical Lead, DevOps Engineer, Project Manager, SCRUM master

Period:	2022 – 2023
Client:	**Novo Nordisk Foundation Center for Basic Metabolic Research**
Project description:	Replaced CBMR's oversubscribed on-premise HPC cluster with an Azure Batch solution. Researchers previously faced multi-week scheduling delays. Built an automated 'HPC Vending Machine' enabling self-service HPC provisioning at 10% of previous costs through strategic cost optimization using spot instance pricing The solution provided on-demand compute pools that automatically scaled based on workload requirements and deallocated when jobs completed. Implemented container-based job submission allowing researchers to deploy workloads without infrastructure knowledge. Network architecture utilized private endpoints requiring extensive DNS configuration to maintain security compliance while integrating with CBMR's existing systems. Built data transfer pipelines to automatically transfer encrypted data in and out via private endpoints in the terabytes, highly performant and secure. Managed pools scaled from zero nodes to thousands based on job queue depth, automatically terminating nodes after job completion to minimize costs. The platform eliminated scheduling bottlenecks and reduced time-to-results from weeks to hours. **The consultant's responsibilities/actions were:** ● Architecture and design ● End-to-end solution design for Azure Batch architecture ● Azure Batch pool and account configuration ● Terraform module development for infrastructure deployment ● Private endpoint and DNS configuration ● Secure data pipeline implementation for on-premise to Azure data transfer ● Automated result synchronization back to on-premise storage ● Container ingestion pipeline development

	● Auto-scaling policy implementation ● Spot instance strategy and cost optimization ● Data encryption and transfer security configuration ● Operational documentation creation ● Researcher training and support ● Monitoring and alerting setup ● Performance troubleshooting
Used technologies:	Azure Batch, Terraform, Azure Spot VMs, Private Endpoints, Docker, Azure Container Registry, Azure Virtual Networks, Azure Monitor, Azure Storage, Rclone
Role in project:	Solution Architect, Developer, Operations Support and Advisor

Period:	2025 – 2025
Client:	**Region Nordjylland**
Project description:	Productionized deployment of a RAG (Retrieval-Augmented Generation) solution based on the Azure Search OpenAI demo, integrated with the client's ServiceNow environment. Developed comprehensive data pipelines to ingest ServiceNow cases based on specific filters, with automated infrastructure deployment via CI/CD and dynamic index creation from case data. The solution enabled a chatbot to provide answers based on specific solutions previously developed by the helpdesk team. Implementation followed a three-phase approach: Phase 1 involved ServiceNow integration with basic solution retrieval; Phase 2 introduced intelligent solution suggestions based on existing case resolutions; Phase 3 addressed knowledge gaps by ingesting unanswered questions and referencing Microsoft documentation to generate new solutions. Managed end-to-end technical implementation including infrastructure provisioning, CI/CD pipeline development, data transfer mechanisms, authentication systems, and Azure DevOps integration. The solution transformed the organization's knowledge management capabilities by automating solution discovery and reducing resolution times for common issues. **The consultant's responsibilities/actions were:** • Infrastructure architecture design and deployment • CI/CD pipeline development and maintenance • Data pipeline engineering for ServiceNow integration • Authentication and security implementation • RAG solution development and optimization • ServiceNow integration and customization • Knowledge base indexing and management • Chatbot development and deployment • Microsoft documentation integration • Azure DevOps configuration and management
Used technologies:	Azure Search, Azure OpenAI, ServiceNow, Azure DevOps, CI/CD pipelines, Python,

	Azure DevOps, Bicep, Azd
Role in project:	Solution Architect, Technical Lead, DevOps Engineer

Period:	2024 – 2024
Client:	**Børns Vilkår**
Project description:	Designed and developed a real-time transcription system for a children's distress hotline, replacing an existing Google-based solution built by Devoteam's Google division. The system required handling sensitive audio streams with real-time transcription capabilities to support operators during critical child welfare calls. Built a complete drop-in replacement using a microservices architecture deployed on Azure Container Apps. The solution consisted of two specialized containers: the first handled audio stream ingestion and orchestrated data flows with asynchronous communication to the telecom systems; the second container ran an open-source Whisper model to provide real-time transcriptions that were seamlessly delivered to operator display systems. Delivered a production-ready system within 3 weeks, ensuring zero downtime during the transition and maintaining the critical nature of the service for children in distress situations. **The consultant's responsibilities/actions were:** • System architecture design and planning • Real-time transcription solution design and development • Python application development for both containers • Azure Container Apps configuration and deployment • CI/CD pipeline development using GitHub Actions • Telecom system integration with asynchronous communication • Whisper model implementation and optimization • Real-time audio processing and transcription • Production deployment and testing • End-to-end solution delivery
Used technologies:	Python, Azure Container Apps, Open Source Whisper, GitHub Pipelines, CI/CD
Role in project:	Technical Lead, Full-Stack Developer, DevOps Engineer, Solution Architect

Period:	2023 – 2024
Client:	**KU (Copenhagen University)**
Project description:	Developed an automated Azure subscription provisioning system ("subscription vending machine") using Terraform, built upon Microsoft's existing subscription vending module from the Azure team. Enhanced the base solution with advanced network specifications including private endpoint configurations to meet the university's security and connectivity requirements. The solution automated the entire subscription lifecycle, enabling new subscriptions to be automatically placed within the appropriate Cloud Adoption Framework (CAF) management groups based on organizational requirements. Each provisioned subscription was seamlessly integrated with the university's existing Express Route network hub, ensuring consistent network connectivity and security policies across the entire Azure estate.

	This infrastructure-as-code approach significantly reduced manual provisioning time while ensuring compliance with university network standards and governance policies. **The consultant's responsibilities/actions were:** • Terraform module development and customization • Azure subscription vending machine architecture design • Network integration with Express Route hub configuration • Private endpoint implementation and management • CAF management group structure design and automation • Infrastructure-as-code best practices implementation • Network security and connectivity validation • Production deployment and testing
Used technologies:	Terraform, Azure Subscription Vending Module, Azure CAF, Express Route, Private Endpoints, Azure Management Groups, Infrastructure-as-Code
Role in project:	Infrastructure Architect, DevOps Engineer, Network Specialist

Period:	2024 – 2024
Client:	**Devoteam**
Project description:	Designed and delivered an LLMOps framework built on Azure DevOps pipelines and Terraform. The framework enables seamless model swap-outs via containerized deployments and dynamic routing to multiple **Azure Machine Learning (AML)** workspace endpoints/deployments. It supports both client-owned, version-controlled models and AML-hosted models, with automated evaluation against a judge model (e.g., validating Speech-to-Text outputs when models are swapped). Built end-to-end CI/CD automation and infrastructure-as-code, proving a repeatable way to test, compare, and promote models across environments with minimal manual intervention. **The consultant's responsibilities/actions were:** • CI/CD design and implementation in Azure DevOps • Infrastructure as Code with Terraform for AML workspaces, endpoints, and deployments • Containerized model packaging with hot-swap capability • Multi-endpoint routing and rollout/rollback strategies • Automated evaluation pipeline using a judge model (incl. STT validation) • Versioned model registry integration and environment promotion • Documentation and knowledge transfer
Used technologies:	Azure DevOps Pipelines, Terraform, Azure Machine Learning (workspaces/endpoints/deployments), Docker/containers, Git (Azure Repos).
Role in project:	DevOps Engineer, LLMOps Architect / Technical Lead

Period:	2024 – 2024
Client:	**Fiskeristyrelsen**
Project description:	Developed MVP deployment of a RAG solution based on the Azure Search OpenAI

	demo for the Danish Fisheries Agency. Focused on CI/CD pipeline implementation and proof-of-concept delivery rather than full production deployment. Built automated deployment infrastructure and demonstrated the technical feasibility of integrating AI-powered search capabilities with the agency's existing systems. **The consultant's responsibilities/actions were:** • CI/CD pipeline development and configuration • MVP architecture design and implementation • Azure Search OpenAI demo customization • Automated deployment setup • Technical proof-of-concept delivery
Used technologies:	Azure Search, Azure OpenAI, CI/CD pipelines, Github
Role in project:	DevOps Engineer, Technical Lead

Period:	2023 – 2023
Client:	**Milestone**
Project description:	Provided advisory services to guide the implementation of Azure Cloud Adoption Framework (CAF) using open source Terraform modules. The engagement focused on knowledge transfer and technical guidance to an already highly competent Terraform development team. Delivered hands-on training and architectural guidance over one month to accelerate the team's CAF deployment capabilities. Due to the team's existing expertise with Terraform, the handover process was streamlined and efficient, enabling rapid independent operation. **The consultant's responsibilities/actions were:** • CAF framework implementation guidance • Open source Terraform module selection and customization • Technical advisory and best practices consultation • Knowledge transfer and training delivery • Architecture review and recommendations
Used technologies:	Azure Cloud Adoption Framework, Terraform, Open Source CAF Modules
Role in project:	DevOps Architect, CAF Expert

Period:	2023 – 2023
Client:	**Rambøll**
Project description:	Conducted a comprehensive month-long Azure estate assessment and DevOps organizational review for Ramboll. Performed extensive stakeholder management through interviews across 20 personnel spanning multiple organizational levels to gather intelligence on current practices, pain points, and improvement opportunities. Delivered a detailed delta analysis report outlining strategic recommendations for DevOps transformation, including team restructuring proposals and comprehensive organizational development roadmap. Presented findings and recommendations to a leadership team of 10 managers, providing detailed explanations and actionable next

	steps. All documentation was implemented as code during the assessment process and delivered through Ramboll's own documentation systems, ensuring complete organizational ownership and ongoing access to all assessment materials and recommendations. **The consultant's responsibilities/actions were:** • Organizational stakeholder interviews and analysis • Azure estate assessment and evaluation • DevOps maturity assessment across teams • Strategic team restructuring recommendations • Comprehensive delta analysis report creation • Executive presentation and recommendations delivery • Documentation-as-code implementation • Knowledge transfer and handover
Used technologies:	Azure, Documentation-as-Code
Role in project:	Organizational Advisor, DevOps Consultant, Strategic Analyst

Period:	2022 – 2023
Client:	**Devoteam**
Project description:	Built a production-ready Backstage developer portal stack on Azure using Terraform Cloud Workspaces and GitHub Actions. The solution followed a modular "bootstrap → azure → backstage → kubernetes" flow: bootstrap provisioned Terraform Cloud workspaces, variables, and Azure service principals; azure created **Azure Kubernetes Cluster**, ACR, storage for TechDocs, and Azure AD integration; backstage produced and pushed the container image; kubernetes deployed/configured Backstage on AKS with environment injection. Documentation (TechDocs + Kroki) and a feature roadmap were included for scale, RBAC, diagnostics, backups, and multi-tenancy. The consultant's responsibilities/actions were: • Repository and IaC architecture ("bootstrap/azure/backstage/kubernetes" modules) • Terraform Cloud setup (workspaces, variables, remote state) and SPN provisioning • Azure resource deployment (AKS, ACR, Storage for TechDocs, Azure AD auth) • Backstage app build & containerization; image push via GitHub Actions • Helm/Kubernetes deployment with configuration and secret injection • TechDocs enablement (MkDocs) with diagram rendering via Kroki • CI/CD pipelines (branch strategy incl. dev) and environment promotion • Catalog onboarding (catalog-info) and operational runbooks • Roadmap definition (autoscaling, DNS/subdomain, RBAC best practices, diagnostics, Postgres backup, multi-tenancy)
Used technologies:	Used technologies: Azure (AKS, ACR, Storage, Azure AD), Terraform & Terraform Cloud,

	GitHub Actions, Kubernetes, Helm, Docker, Backstage, TypeScript, MkDocs/TechDocs, Kroki, kubectl
Role in project:	Platform Engineer / DevOps Engineer (Author & Technical Lead)

Period:	2023 – 2023
Client:	**Region Hovedsteden**
Project description:	Developed a comprehensive Azure Virtual Desktop (AVD) Terraform module from scratch, implementing private endpoint connectivity for enhanced security. Built a complete end-to-end solution including scaling plans, host pools, and integrated Entra ID access management. The solution provided the Capital Region of Denmark with a fully automated, secure virtual desktop infrastructure capable of scaling based on demand while maintaining strict network isolation through private endpoints. **The consultant's responsibilities/actions were:** • Custom Terraform module development for AVD • Private endpoint architecture design and implementation • Scaling plans and host pool configuration • Entra ID integration and access management setup • Infrastructure-as-code best practices implementation • Security hardening and network isolation
Used technologies:	Virtual Desktop (AVD), Terraform, Private Endpoints, Entra ID, Azure Scaling Plans, Host Pools
Role in project:	Infrastructure Architect, DevOps Engineer, Security Specialist

Period:	2022 – 2022
Client:	**Novo Nordisk**
Project description:	Designed and implemented **Azure Synapse** data processing pipeline infrastructure for Novo Nordisk. Handled complete CI/CD pipeline development and infrastructure architecture, creating the foundational platform for data processing operations. Following the infrastructure deployment, utilized the established foundation to develop **Azure Data Factory** pipelines on top of the Synapse environment, enabling streamlined data processing workflows. **The consultant's responsibilities/actions were:** • Azure Synapse architecture design and implementation • CI/CD pipeline development and configuration • Infrastructure development and deployment • Foundation platform setup for data engineering teams • Technical handover to data engineering resources
Used technologies:	Azure Synapse, Azure Data Factory, CI/CD pipelines
Role in project:	Infrastructure Architect, DevOps Engineer

Period:	2022 – 2022
Client:	**Cloudeon**
Project description:	Built, designed, and architected a comprehensive managed cloud compliance platform for Cloudeon. Developed a web-based configuration interface allowing users to define their compliance preferences through an intuitive form system. Utiliized **Azure Data Factory** to ingest, transform and process the data. The platform automated Azure policy configuration based on user-defined compliance requirements, streamlining governance across cloud environments. Implemented automated exemption workflows through Azure Function Apps, enabling dynamic policy management without manual intervention. The solution utilized Azure Data Factory for data processing and orchestration, creating an end-to-end compliance management system that reduced manual policy configuration overhead while maintaining strict governance standards. **The consultant's responsibilities/actions were:** • Infrastructure design and architecture via Terraform • Platform architecture design and implementation • Web form interface development and configuration • Azure policy automation and configuration • Azure Function App development for exemption workflows • Azure Data Factory pipeline development and orchestration • End-to-end compliance workflow design • System integration and testing
Used technologies:	Terraform, Azure Data Factory, Azure Function Apps, Azure Policies, Web Forms, Azure Cloud Infrastructure
Role in project:	Solution Architect, Platform Developer, Cloud Engineer, Infrastructure Architect

Courses and certifications:

Exam ID	Description	Date
AZ-104	Azure Administrator Associate	2020
AZ-400	DevOps Engineer Expert	2020