

Radek Padrta

Cloud Architecture | DevOps & Automation | AI

 /radekpadrta  techcampfire.substack.com

Platform Security & Cloud Infrastructure Engineer specializing in enterprise-scale identity governance, Zero Trust architecture, and multi-cloud security across AWS and Azure. Proven track record of delivering high-impact automation solutions that eliminate operational overhead and strengthen security posture. Expert in architecting AI/ML infrastructure, implementing Infrastructure-as-Code, and building scalable cloud-native systems for Fortune 500 and Big 4 consulting environments. Currently building Platform Security initiatives for 80+ AWS accounts and 150+ Azure subscriptions serving 1000+ engineering users.

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Work

Tricentis

Platform Security Engineer

Aug 2025 – Present

- Building Platform Security program to establish Zero Trust architecture across 80+ AWS accounts and 150+ Azure subscriptions.
- Architecting read-only security model and standardized identity procedures using Entra ID as central identity provider, reducing security risk exposure across multi-cloud infrastructure.
- Delivered comprehensive Entra ID/Workday identity assessment, establishing foundation for automated identity lifecycle management and compliance posture.
- Defining security roadmap across enterprise cloud environments.

CloudOps / Infrastructure Engineer

Nov 2024 – Jul 2025

- Engineered automated Identity Governance and Access Management platform integrating Confluence, Entra ID, and AWS IAM, eliminating 100% of manual provisioning workload for ITOps team across all engineering staff.
- Built real-time multi-cloud identity synchronization system with automated access reviews and approval workflows, reducing access provisioning time from days to minutes while maintaining security compliance.
- Architected standardized Landing Zone templates for AWS and Azure, establishing Infrastructure-as-Code foundation for consistent, secure, and scalable multi-cloud deployments across the organization.
- Drove cloud automation initiatives leveraging Terraform and native cloud APIs to streamline infrastructure provisioning and reduce operational overhead.

Actum Digital

Cloud & AI Engineer

May 2024 – Oct 2024

- Architected and deployed enterprise AI orchestration platform using Azure Machine Learning Workspace, helping SEO specialists and copywriting teams with automated content generation capabilities.
- Implemented custom security gates and guardrails in product, ensuring secure AI model deployment while maintaining compliance with enterprise security standards and data protection requirements.
- Owned end-to-end AI solution lifecycle including architecture design, cloud infrastructure provisioning, model deployment pipelines, and production monitoring for high-availability AI endpoints.
- Delivered technical presentations on AI/ML cloud implementations and best practices to engineering teams at internal developer conferences.

Deloitte

Consultant

Sep 2023 – Apr 2024

- Architected and delivered GenAI-powered conversational AI solutions for EMEA internal clients (Audit and Legal departments), reducing staff research time and enabling natural language access to internal knowledge bases.
- Designed cloud-native CCAAS (Contact Center as a Service) architectures on AWS leveraging Lambda, API Gateway, Lex, and Amazon Connect, implementing scalable, serverless voice and chat capabilities.
- Built production-grade infrastructure using Terraform IaC, establishing automated CI/CD pipelines via Azure DevOps for consistent and repeatable cloud deployments across multiple environments.
- Implemented comprehensive security controls including AWS IAM policies, SSO integration, and data protection measures ensuring compliance with enterprise security standards.

Analyst

Oct 2022 – Aug 2023

- Developed production chatbots and voicebots using Python and enterprise low-code platforms (Cognigy, Kore.ai), delivering automated customer service and internal support solutions.
- Containerized applications using Docker for consistent deployment across development, staging, and production environments.
- Configured and maintained AWS security infrastructure including IAM roles, policies, and SSO integration to ensure secure access control and compliance with data protection requirements.
- Provided L3 technical support for cloud infrastructure issues, troubleshooting complex AWS service integrations and maintaining 99.9% uptime for production systems.

Studio Moderna

International Support Engineer

Sep 2020 – Sep 2022

- Joined an international IT support team overseeing operations in 21 European countries.
- Served as an international helpdesk agent, offering basic support to end users.
- Managed user accounts and access rights.
- Involved in testing and evaluating CRM system developments.
- Provided users with access to files, applications, and performed network monitoring tasks.
- Held responsibility for local technical operations in the Czech Republic.

Information Technology Support Engineer

Mar 2019 – Aug 2020

- Provided IT support for call centers located in Prague and Ostrava.
- Offered IT assistance for retail operations and back-office tasks across the Czech Republic.
- Handled helpdesk reports and addressed local events.
- Collaborated with partners/providers to initiate new projects for enhanced user work and experience.
- Managed and maintained the camera system for retail environments.
- Oversaw IT procurement and managed related expenses.

Skills

Cloud Security & Identity

Identity & Access Management: Expert in Entra ID (Azure AD), AWS IAM, SSO integration, and Identity Governance. Architected Zero Trust frameworks and automated identity lifecycle management across 230+ cloud accounts. Specialized in access provisioning automation, policy-as-code, and multi-cloud identity synchronization.

Security & Compliance: Implemented security controls for AWS (IAM, CloudTrail, GuardDuty) and Azure (Entra ID Governance, Conditional Access, PIM). Built security gates for AI/ML workloads and established governance frameworks for enterprise cloud environments.

Zero Trust Architecture Entra ID / Azure AD AWS IAM
Identity Governance SSO / SAML Security Automation
Policy as Code Multi-Cloud Security

AI/ML & Automation

AI/ML Infrastructure: Built production GenAI platforms using Azure OpenAI, Machine Learning Workspace, and custom orchestration services. Implemented LLMops pipelines with security guardrails, prompt engineering workflows, and model deployment automation. Architected RAG (Retrieval-Augmented Generation) solutions using Azure AI Search and vector databases.

Conversational AI: Developed enterprise chatbots and voicebots using Python, Cognigy, and Kore.ai platforms. Built CCAAS integrations with Amazon Lex and Connect. Expert in dialogue design, NLU optimization, and multi-channel deployment.

Development & Automation: Proficient in Python for infrastructure automation, API development, and AI/ML workflows. Experience with Docker containerization, CI/CD pipelines (Azure DevOps, GitHub Actions), and modern development practices.

Azure OpenAI GenAI / LLMs MLOps / LLMops Python Terraform Docker CI/CD Azure DevOps Conversational AI API Development

Cloud Architecture & Infrastructure

AWS: Designed serverless architectures using Lambda, API Gateway, and DynamoDB. Built CCAAS solutions with Amazon Connect and Lex. Expert in CloudFormation, EC2, S3, and AWS security services.

Azure: Architected AI/ML platforms using Machine Learning Workspace, Azure OpenAI, and AI Search. Proficient in App Services, VNET design, APIM, and Azure infrastructure services. Experience with Prompt Flow for GenAI orchestration.

Infrastructure as Code: Production expertise in Terraform and Bicep for multi-cloud deployments. Built reusable Landing Zone templates and standardized infrastructure patterns across AWS and Azure.

Terraform Landing Zones Serverless Architecture Multi-Cloud IaC
AWS Azure Solution Architecture

Certifications

Solution Architect Associate



Azure DevOps Expert



Azure Administrator Associate



AZ-400 Azure DevOps Solutions



Cognigy.AI Certified Specialist



Languages

English

Advanced

Czech

Native