

# ILYA FEDOTOV

## SOLUTIONS ARCHITECT | INFRASTRUCTURE MODERNIZATION | AI WORKFLOW & DEVELOPER PRODUCTIVITY

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### SUMMARY

Solutions architect with 20+ years of experience delivering enterprise infrastructure, cloud, virtualization, and migration programs across Microsoft, Citrix, VMware, and Azure environments. Core strengths include infrastructure modernization, hybrid cloud architecture, identity and Active Directory transformation, automation, observability, and project delivery in complex enterprise settings.

In recent work and independent builds, I have expanded this background into AI-assisted engineering workflows, assistant platforms, retrieval-oriented knowledge systems, and developer productivity tooling. I bring a pragmatic mix of hands-on technical depth, operational discipline, and customer-facing advisory experience.

### SELECTED OUTCOMES

- Designed and deployed Azure infrastructure using Terraform across 30+ resource types, including VMs, Application Gateway, SQL Database, Container Registry, and Key Vault.
- Built reusable Terraform modules and Git-based delivery workflows that reduced deployment time from hours to minutes.
- Developed PowerShell-based inventory and compliance automation covering 85+ resource checks for operational visibility and audit support.
- Led an Active Directory migration and domain consolidation spanning 8 legacy domains, 6,500+ users, 300+ servers, and 40+ global locations.
- Reduced migration time by 40% and technical staff involvement by 60% through automation and framework design.
- Supported Citrix environments for up to 5,000 users across architecture, upgrades, optimization, and incident resolution.
- Managed a Windows 10 migration program for 40,000+ users and 1,500+ applications.

### PROFESSIONAL EXPERIENCE

#### Azure Cloud Architect & DevOps Engineer

Freelance Infrastructure Solution Architect | Jun 2025 - Aug 2025

- Designed Azure infrastructure using Terraform across 30+ resource types.
- Implemented secure network architecture with private subnets, Bastion, DDoS protection, and OAuth2 integration.
- Established monitoring and logging with Prometheus, Grafana, Loki, Fluent Bit, and Azure-native controls.
- Produced governance, security, and technical documentation supporting operational handover and compliance readiness.

#### Infrastructure Solution Architect

Freelance Infrastructure Solution Architect | Jun 2023 - Jun 2025

- Led enterprise Active Directory migration and domain consolidation across 8 domains, 6,500+ users, and 300+ servers.
- Built PowerShell automation for AD security groups, GPO workflows, and VMware snapshot operations.
- Created a six-stage migration workflow using Quest Migration Manager for discovery, migration, validation, and cleanup.

### CORE STRENGTHS

- Infrastructure modernization and migration strategy
- Azure and hybrid cloud architecture
- Active Directory and identity transformation
- Citrix and enterprise end-user computing
- Terraform and PowerShell automation
- Monitoring, logging, governance, and handover
- AI workflow design and developer productivity tooling

### INDEPENDENT AI PROJECTS

#### Web Assistant Platform

Built a full-stack assistant reference implementation with FastAPI backend, session handling, analytics endpoints, admin views, and local deployment runbooks.

#### Job Radar

Built a workflow that collects, normalizes, scores, and ranks roles using OpenAI-based scoring, embeddings, web-search enrichment, scheduled collection, and a Next.js interface.

#### CodeDocs / Agent Workflow Experiments

Developed reference implementations and guides for repository documentation, retrieval-oriented knowledge workflows, and reusable prompt/spec loops for CLI-based AI coding tools.

### CERTIFICATIONS

- MCSA: Windows Server 2016
- MCSE: Cloud Platform and Infrastructure
- MCSE: Server Infrastructure
- Citrix Certified Expert - Virtualization
- VMware Certified Professional
- CCNA

### RECENT TRAINING

- Agentic AI (2025)
- Generative AI for Engineers (2025)
- IBM RAG and Agentic AI Professional Certificate (2025)

**System Architect / Senior Systems Engineer**

Fujitsu TDS / Fujitsu Services GmbH | Jan 2021 - Jun 2023

- Led Citrix infrastructure projects for environments supporting up to 5,000 users.
- Served as the Citrix subject matter expert across multiple customer environments.
- Supported Azure, Citrix Cloud, and Fujitsu Cloud environments with a focus on reliability and continuity.

**Senior Consultant / Technical Project Manager**

Infosys Consulting Services GmbH | May 2019 - Dec 2020

- Led infrastructure delivery work for enterprise clients across planning, execution, and stakeholder coordination.
- Supported pre-sales and solution design for Microsoft- and Citrix-based environments.
- Managed a Windows 10 migration program for 40,000+ users and 1,500+ applications.

- AZ-305 and AZ-500 course work (2024)
- Terraform and AKS deep-dive training (2024)

**EDUCATION & LANGUAGES**

**B.Sc. Computer Science**

Moscow University of Industry and Finance, Russia | 2006 - 2011

Russian: Native

English: Fluent (C1)

German: Advanced (B2)