Resume

Andrey Krasikov · Cloud and AI architect · New Jersey, USA · Remote · US citizen

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SUMMARY

Cloud architect with 25+ years in IT, combining Azure solution design with hands-on AI implementation, Terraform, and delivery automation. Designs PaaS applications, microservices integrations, and data platforms, with deep Azure networking and production troubleshooting experience. Delivers secure, governed solutions for financial services, healthcare, and government. Recent work includes AI agents, GenAI document processing, and real-time data pipelines.

Architecture focus: Azure PaaS, Azure AI Foundry, and agent-based solutions, including multi-agent orchestration.

SKILLS

- **Azure architecture:** Azure Government and commercial Azure, Application Gateway, API Management, App Service, Functions, Service Bus, Event Grid, Key Vault, Azure Monitor, Application Insights.
- **Containers:** Docker, Azure Kubernetes Service (AKS), Amazon ECS, AWS Fargate.
- **AI and agents:** Azure AI Foundry, Azure OpenAI, AI Search, Document Intelligence, RAG, MCP, tool integration, prompt engineering, LLM validation; Amazon Bedrock AgentCore, Claude, OpenSearch hybrid and vector search.
- **Data and integration:** Azure Data Factory, Synapse Analytics, Data Lake, Azure SQL, Cosmos DB; AWS DMS, Kinesis, Glue streaming ETL, Flyway, MuleSoft CloudHub 2.
- **DevOps and automation:** Terraform, Azure DevOps, GitHub Actions, CI/CD, release gates, Python, PowerShell, Azure CLI; SonarQube, Wiz, Nexus IQ, Playwright.
- **Azure networking:** VNets, hub-and-spoke architecture, private endpoints, DNS and Private Resolver, NSGs, Azure Firewall, Application Gateway/WAF, site-to-site VPN, ExpressRoute.
- **Identity, security and governance:** Entra ID, IAM/RBAC, Key Vault, Azure Policy, Zero Trust, encryption and audit readiness; PCI DSS, HIPAA, GDPR, and NIST-aligned controls.
- **Troubleshooting:** Root-cause analysis of applications and services of any kind from logs, traces and metrics, including Azure networking, DNS, private connectivity, application integrations, IAM, CI/CD, and infrastructure; Azure AI Foundry deployments, agent tools, RAG, and endpoint connectivity.

EXPERIENCE

Photon · IT Cloud Architect and DevOps Lead · Remote · April 2025 to present

Consulting, architecture and delivery for Photon client engagements.

Sallie Mae (financial services), since August 2026. DevOps Lead. Hands-on architecture and delivery across AI services, the operational data store, application platforms, and CI/CD.

- Architected a natural-language data-query agent using Amazon Bedrock AgentCore, MCP, Claude, OpenSearch kNN hybrid search, and an OWL ontology. Deployed a Bedrock Knowledge Base backed by OpenSearch Serverless.
- Delivered four GenAI document-processing services on ECS Fargate for OCR, classification, and validation. Improved LLM validation accuracy through prompt hardening and quote verification.

- Built a real-time change data capture (CDC) pipeline with AWS DMS, Kinesis, and Glue streaming ETL, supported by infrastructure as code and latency monitoring. Automated Flyway migrations and data-catalog metadata synchronization.
- Automated CI/CD for a Lambda stream processor and MuleSoft CloudHub 2 APIs, including OAuth2 and smoke tests. Resolved VPC, IAM auto-remediation, and service control policy blockers with least-privilege access policies.
- Delivered a Next.js microfrontend platform across four portals using Module Federation and pnpm. Built shared Cognito OIDC authentication and shell libraries with circuit-breaker handling; added Playwright E2E tests, smoke tests, and bundle-size budgets.
- Standardized CI/CD test gates, approvals, and trunk-based branching. Automated Renovate dependency scans and npm publishing with Nexus, Changesets, and versioning; upgraded Next.js to version 16 and remediated Wiz, SonarQube, and Nexus IQ findings.
- Built repository and pipeline bootstrap automation using Python, ECS, Lambda, and Copilot. Authored a Golden Path framework with a CLI, pipeline templates, and a quality-gates catalog.

Columbia Sportswear (global apparel retailer), 2025 to 2026. DevOps Lead.

- Built a GitHub Actions CI/CD platform for Salesforce Commerce Cloud SFRA and headless storefronts, replacing manual releases with automated deployments across international storefronts.
- Designed branching and promotion workflows for four parallel development teams. Added smoke tests, approval gates, sync-back logic, and release visibility across Dev and Staging.

Thorne (health and wellness), July to September 2025. Azure Senior Architect.

- Designed a greenfield Azure architecture spanning compute, networking, security, observability, and operational readiness. Established Azure DevOps YAML pipelines, code reviews, and release gates for automated deployments.

Partstown (industrial parts distribution), April to June 2025. IT Cloud Architect, Director.

- Designed a unified Azure data platform blueprint using Data Lake, Data Factory, and Synapse Analytics. Provisioned platform components with Terraform and established Azure DevOps deployment pipelines.
- Assessed Azure environments across business divisions and developed a consolidation roadmap. Automated App Registration auditing and secret rotation with PowerShell, Azure Automation, and Key Vault; defined cost and resilience improvements.

Conduent · Azure Solution Architect and DevOps Engineer · March 2019 to January 2025

Architecture and delivery on projects for Conduent clients. Selected engagements:

US Courts (federal judiciary), Azure Government.

- Built the environment from scratch: tenant, subscriptions, landing zones, networking, PaaS services, VPN and ExpressRoute to the data center, identity and access management, and governance.
- Follow-on projects: an Azure API gateway, vulnerability scanning and disaster recovery solutions, and the separation of development/test and production environments of a production system.

UPS (logistics).

- Designed the Azure architecture for an application platform: API Management and Application Gateway, App Service and Functions, Cosmos DB.
- Built the application, core and data environments with Terraform (private endpoints, Service Bus). Prepared the cost analysis and cost model, the disaster recovery design and the IP plan.

New York E-ZPass (toll operations).

- Built Azure infrastructure with Terraform, including a PCI-scoped environment and AKS.
- Configured Application Gateway rewrite rules and CORS. Automated App Registration secret rotation into Key Vault on a three-month cycle. Handled AppDynamics onboarding for AKS applications.

Elevance Health (health insurance). Terraform infrastructure for the Elevance solution, with separate code bases for the Conduent, Elevance and Zelis environments: private endpoints, SQL Server, Service Bus and storage accounts.

Cigna and Gold Coast (healthcare). Disaster recovery on Azure Site Recovery: tested failover of the production environments in two tenants and documented the results.

HCP (healthcare). Azure AI services for a healthcare application: a new production subscription, private endpoints in two regions, and connectivity validation.

Across engagements.

- Designed and deployed Azure environments across 10+ global regions supporting 100+ workloads. Implemented private connectivity and hub-and-spoke networking for application, data, and integration services.
- Drove enterprise Terraform adoption and reusable infrastructure modules, reducing deployment time by 60%. Standardized Azure DevOps pipelines across engineering teams.
- Reduced cloud spend by 30% through resource rightsizing, Reserved Instances, auto-scaling, and Azure Automation. Addressed encryption, logging, data residency, and audit requirements in regulated environments.

Infotecs Americas Inc. · Chief Technology Officer · January 2014 to February 2019

- Led Azure and hybrid cloud transformation, security architecture, and disaster recovery work. Established CI/CD practices that reduced deployment failures by 40% and automated 80% of deployment tasks.
- Managed and mentored 15+ architects and developers delivering 20+ cloud, security, and networking projects.

Infotecs JSC · Head of R&D · January 2008 to December 2013

- Led 10+ developers building security and networking products. Evaluated emerging technologies through proof-of-concept implementations and developed security automation.

Infotecs JSC · Head of QA · January 2005 to December 2007

- Led 20+ QA engineers and introduced test automation, quality metrics, and risk-based testing for security and networking products.

CERTIFICATIONS

- Microsoft Certified: Multi-Agent AI Solutions Expert (AI-500), November 2026 (verify (https://learn.microsoft.com/api/credentials/share/en-us/AndreyKrasikov/4E585D0B1479DCDD?sharingId=439380487B1EFA4E))
- Microsoft Certified: Azure AI Apps and Agents Developer Associate (AI-103), October 2026
- AWS Certified Solutions Architect (2019), AWS Certified SysOps Administrator (2019)

EDUCATION

Bachelor of Science in Physics (Quantum Field Theory), Tomsk State University, Russia