Ilya Mirkin

Enterprise Technology Advisory | AI Governance & Risk

Boise, Idaho | (208) 471-8123 | ilyamir.mail@gmail.com
ilyamir.com | linkedin.com/in/ilya-mir-mirkin-7b9411a | github.com/blackbird-git

PROFESSIONAL SUMMARY

Enterprise technology advisor with nearly 15 years at SS&C Technologies, including approximately 11 years in customer-facing infrastructure consulting. Served as a lead technical consultant across roughly 60 enterprise environments, guiding implementations, complex escalations, and production readiness for financial institutions, healthcare organizations, and public agencies. Worked across customer IT, security, Product, Engineering, and account teams to reconcile technical requirements, operational risk, and delivery constraints. MBA in Risk Management. Now developing NIST-informed AI governance assessments and independent AI security and reliability projects.

CORE COMPETENCIES & TECHNICAL EXPERTISE

Enterprise delivery & advisory: Requirements discovery, technical feasibility, implementations, stakeholder alignment, production readiness, escalations

Customer partnership & cross-functional leadership: Enterprise customer engagement, QBR support, Product/Engineering collaboration, mentoring, handoffs

AI governance & technology risk (independent): NIST AI RMF, CSF 2.0, Generative AI Profile, integration assessment, evidence review, control evaluation

Security & identity integration: SAML SSO, Okta, Microsoft Entra ID, ADFS, PKI/TLS, IPsec VPN, access controls, risk remediation

Infrastructure & resilience: RHEL/CentOS, VMware vSphere/SRM, AWS/Azure/private cloud, disaster recovery, Instana, Nagios, Apache/JBoss

Independent AI engineering: Python, FastAPI, Ollama, SQLite/FTS5, Wazuh, prompt injection testing, local model evaluation

PROFESSIONAL EXPERIENCE

Kingfisher Advisory | Founder & AI Advisory Consultant **2026 - Present**

- Established an independent advisory practice focused on practical AI adoption, workflow assessment, governance, and integration risk for small organizations.
- Designed SafeGuard, an evidence-based AI integration assessment method informed by NIST AI RMF 1.0, CSF 2.0, and the Generative AI Profile; published illustrative reviews and began developing supporting assessment software.

SS&C Technologies | Infrastructure Consultant / Systems Engineer **2015 - Oct 2026**

- Served as lead technical consultant across approximately 60 enterprise customer environments, managing complex technical needs, integrations, implementations, and production escalations for financial, pension, healthcare, and government organizations.
- Guided customer requirements discovery, technical feasibility, implementation planning, readiness reviews, deployment testing, controlled cutovers, and operational handoffs; supported up to five overlapping customer implementations.
- Worked across customer IT/security, Product, Engineering, Support, and account teams to resolve priority issues, assess operational risk, inform QBRs, mentor colleagues, and provide clear technical recommendations.
- Led CentOS-to-RHEL modernization across approximately 150 Linux systems with a two-engineer team across customer-hosted environments, SS&C private cloud, AWS, and Azure; coordinated migration plans, dependencies, testing, and validation.
- Led the Nagios-to-Instana proof of concept and transition, reducing false-positive monitoring alerts by approximately 90% and investigation effort by roughly 50%.
- Owned VMware vSphere/Site Recovery Manager disaster recovery readiness, replication checks, recovery exercises, remediation, controlled cutovers, and recovery validation.

- Implemented and troubleshot SAML SSO with Okta, Microsoft Entra ID, and ADFS, along with TLS/PKI, IPsec VPN, DNS, and firewall connectivity integrations.
- Maintained and troubleshot RHEL/CentOS application services, including Apache/JBoss, certificate automation, central monitoring, and supporting hybrid infrastructure.

SS&C Technologies | Enterprise Support / Senior Support Analyst **2011 - 2015**

- Provided customer-facing enterprise application support, root-cause investigation, connectivity troubleshooting, escalation ownership, and documentation; progressed into infrastructure engineering and consulting.

INDEPENDENT AI & SECURITY DEVELOPMENT

SafeGuard | AI Integration Security Assessment

Designed a six-domain AI integration review method covering governance, identity and access, data boundaries, approved actions, security, and recovery. Mapped selected controls to NIST AI RMF 1.0, CSF 2.0, and the Generative AI Profile.

Authored illustrative assessments for fictional accounting, healthcare, and energy organizations, connecting technical evidence to prioritized risks and recommended actions. Supporting assessment software is in development.

AI Security Engineering Lab

Built a Python/FastAPI and Ollama application using synthetic financial records to test AI tool authorization, role boundaries, and prompt injection attempts. Enforced access restrictions in application logic rather than model instructions.

Integrated security events with Wazuh and captured repeatable test cases, observed API outcomes, and known limitations. All tests were conducted independently in a controlled local environment.

Vera | Local AI Memory Engine

Developed an offline Python memory engine using SQLite/FTS5, Ollama, and local open-weight language models. Implemented source-grounded retrieval, provenance tracking, conflict handling, and confirmed memory corrections.

Built evaluation cases for multi-turn questions, omissions, unsupported details, and memory updates. Compared local model behavior and documented reliability gaps without claiming production readiness.

EDUCATION

MBA, Risk Management | St. John's University (2012)

BS, Finance | St. John's University