

MIKAEL OLSSON

AWS Certified Cloud Architect & Senior Systems Specialist

📍 Sweden | ✉️ mikaelo_66@outlook.com | 🌐 mioldata.com | 🔗 linkedin.com

🎯 PROFESSIONAL SUMMARY

Senior IT Professional and Developer with **24 years of proven experience** architecting, managing, and securing mission-critical enterprise systems and software infrastructure. Expert in managing full system lifecycles and compliance under strict regulatory environments (healthcare).

Having successfully modernized my skill set with **3x AWS Certifications** and modern **Infrastructure as Code (AWS CDK)**, I specialize in bridging the gap between legacy on-premises environments and secure, scalable cloud architectures. Passionate about accelerating secure cloud migrations and automating operations through DevSecOps best practices.

🔧 CORE COMPETENCIES & TECHNICAL SKILLS

- **Cloud & Architecture:** Amazon Web Services (AWS) , Serverless Architecture , Hybrid Cloud Migrations, Amazon ECS & AWS Fargate, Amazon Bedrock (GenAI).
 - **DevOps & Automation:** Infrastructure as Code (AWS CDK) , CI/CD Pipelines (GitHub Actions) , OpenID Connect (OIDC) Security , Automated Rollouts .
 - **Enterprise IT & Programming:** Full-Stack Development (DataFlex), API/Web Service Integration (REST, SOAP, XML, JSON), Database Operations, Crystal Reports XI, Release Engineering, DigiCert Code Signing.
 - **Security & Operations:** Least Privilege Access (IAM) , CloudOps Monitoring (Amazon CloudWatch) , Log Analytics & Alarms, Data Encryption, Compliance & Data Integrity (GDPR/EHR systems) .
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🎓 AWS CERTIFICATIONS

- **AWS Certified CloudOps Engineer – Associate** (Issued: May 2026)
 - **AWS Certified Solutions Architect – Associate** (Active through 2028)
 - **AWS Certified Cloud Practitioner**
 - 🚀 *AWS Certified Data Engineer – Associate (In Progress / Expected 2026)*
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PROFESSIONAL EXPERIENCE

Development & Systems Infrastructure Manager / Senior Developer

RixData | 2002 – Present

Architected and held full lifecycle responsibility for an enterprise Electronic Health Record system (journalssystem) used by private healthcare providers across Sweden .

- **Current Project (Final Testing & Validation Phase):** Leading a critical healthcare data migration project, executing the secure extraction and transformation of legacy electronic health records into regional archives in strict compliance with the Swedish R7E archive specification.
 - **Enterprise Security Hardening:** Architected and integrated Multi-Factor Authentication (MFA) into the core On-Premises Windows platform utilizing Cisco DUO Security APIs. This successfully introduced advanced identity verification, modern access control, and enhanced cybersecurity postures across all enterprise client networks.
 - **System Ownership & Leadership:** Advanced from initial technical support to heading the complete software development, deployment, and infrastructure stack for the company's core desktop and network application .
 - **Enterprise Integrations:** Engineered highly secure gateways against national networks, migrating legacy SOAP WebServices into high-performance REST APIs for messaging (iP1), and building secure XML-based data pipelines for national healthcare databases (NPÖ and Alfa eRecept) .
 - **Security & Compliance:** Enforced strict compliance and data isolation rules to protect highly sensitive medical data under GDPR, utilizing enterprise tools like DigiCert Code Signing and Wise Installation Engines.
 - **Web Operations:** Managed corporate web infrastructure, server setups, and automated software update mechanisms.
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CAPSTONE CLOUD PROJECTS

(Full source code and architecture diagrams available live at mioldata.com)

- **Serverless Generative AI-Agent (Bedrock RAG):** Built an automated AI backend using AWS CDK, Python Lambda, and the Bedrock Converse API . Implemented Cross-Region Inference Profiles for high resilience and multi-region failover across European AWS nodes .
 - **DevSecOps CI/CD Deployment Pipeline:** Designed a secure deployment engine via GitHub Actions using token-based OIDC federation with AWS IAM, eliminating the risk of static long-lived Access Keys .
 - **Containerized Web Application:** Architected a highly available microservice hosting environment via Amazon ECS and AWS Fargate, isolated inside private subnets behind an Application Load Balancer (ALB) .
 - **Enterprise Observability Infrastructure:** Configured automated infrastructure monitoring dashboards and thresholds using Amazon CloudWatch Metrics, Log Groups, and alarms to optimize MTTR .
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LANGUAGES

- **Swedish:** Native
 - **English:** Full Professional Proficiency
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