

Digital Architect | Cloud & Integration Specialist | IT Operations Leader in Regulated Environments

Digital Architect and Strategic IT Leader with 20+ years of experience designing and delivering secure, scalable digital platforms across financial services (e.g., compliance-driven infrastructure for public-sector finance and digital integration initiatives), MedTech, and regulated environments. Proven ability to translate business needs into technical architectures, lead API-driven and microservices-based designs, and drive cloud-native digital transformation using Agile and DevOps practices. Expertise includes enterprise integration, cloud platforms (AWS, Azure, GCP), and aligning solutions with compliance and security standards (ISO, GDPR, EU MDR).

Technical Proficiencies

Cloud: AWS, Azure, GCP

DevOps & CI/CD: Terraform, Jenkins, Docker, Kubernetes, Git (Bitbucket), CI/CD automation, branching strategies

Programming: .NET, Python, SQL, JavaScript

Databases: SQL Server, Oracle, Snowflake, PL/SQL, ETL, Data Modeling

Database Change Management: Flyway, Liquibase, Redgate; DDL/DML versioning; audit-ready deployment pipelines

Security: Splunk (SIEM), CrowdStrike (EDR), FortiGate, Juniper, Cisco, BGP, MPLS, EVPN, Segment Routing

Monitoring & Tools: Prometheus, Grafana, Kafka, Jira, Confluence, Ansible, ServiceNow

OS: Linux, Windows, macOS

Testing & Performance: Non-Functional Testing (NFT), Performance Engineering, Load Testing, Stress Testing, SLOs/SLIs

Leadership: Resource Planning, Team Development, KPI Monitoring, Stakeholder Escalation Management

Tools for Performance & Planning: Power BI, Grafana, Prometheus, Snowflake, SQL, Python, Jira, Confluence, Capacity Planning, SLA/SLO Modeling

Core Competencies

Cloud Infrastructure | Data Architecture | CI/CD & DevOps | Stakeholder Management | Agile Program Leadership | Regulated Environments (ISO, EU MDR, GDPR) | Service Assurance | Platform Consolidation | Infrastructure Modernization | Non-Functional Testing | Performance Engineering | CI/CD Strategy | Service Reliability (SLO/SLI) | Cross-Team Leadership | Client Stakeholder Engagement | Test Delivery Governance | DevOps Testing Automation | Financial Services Infrastructure

Career Experience

Crusoe Energy Systems, Iceland

12/2024 – 06/2025

Data Center Manager

Led high-performance data center operations and analytics in EMEA, supporting GPU infrastructure scale-up and resilient architecture delivery.

Planned, designed, and deployed server infrastructure across on-premise, cloud, and data center environments, with a focus on efficient resource management and operational reliability.

Managed GPU server installation and procurement, ensuring seamless integration within existing infrastructure.

Automated CI/CD workflows for application deployment, leveraging tools for streamlined processes and managed NVIDIA switch configurations to support complex intra- and inter-rack network topologies using Infiniband and Ethernet.

Maintained firewalls and worked with network teams to secure distributed setups, including site inspections and maintenance.

Implemented sustainable IT practices, optimizing energy consumption and improving resource utilization in server operations.

Established remote server management via KVM switches, BMC GUI, and IPMI, ensuring secure and consistent access to GPU servers.

Managed external partnerships with data center providers, cloud platforms, and hardware vendors to ensure SLAs and long-term scalability.

Evaluated new hardware to ensure compatibility, performance, and alignment with operational requirements, supporting the long-term scalability of data center operations.

Maintained 99.99% uptime across mission-critical services via proactive service assurance and automated failover mechanisms.

Supported infrastructure readiness for AI/ML processing using GPU-based compute environments.

Designed cloud-native and microservices-aligned infrastructure to support scalable GPU workloads.

Conducted load and stress testing to validate infrastructure scalability and SLO/SLA compliance for GPU-based compute clusters.

Kvikna Medical, Distributors and Partners, Reykjavik, Iceland

01/2016 – 03/2024

IT Manager

Led EMEA-wide IT operations and analytics teams, modernizing cloud infrastructure and enabling proactive performance management.

- Directed the deployment of containerized infrastructure and observability platforms (Prometheus, Grafana, Fluentd, Kafka), reducing incident response time by 40%.
- Managed concurrent projects using Microsoft Project, Jira, and Confluence to track deliverables, manage risks, and communicate progress.
- Led cloud cost optimization and automation initiatives that lowered infrastructure overhead by 30%.
- Implemented audit-ready SRE architectures across Azure, AWS, and Snowflake in coordination with development, QA, and network teams.
- Participated in technical readiness reviews, risk assessments, and validation testing during product development and release cycles.
- Led and mentored cross-functional teams, including analysts and engineers, to deliver performance-focused DevOps solutions.
- Supported Agile tribe structure and cross-squad coordination, aligning work to product and data objectives.
- Acted as project lead during MVP trials and product evaluations, contributing to successful commercialization and handover to manufacturing.
- Led hiring, onboarding, and training; authored SOPs and reports to support continuous improvement.
- Led platform modernization initiatives, replacing legacy infrastructure while improving operational resilience. Contributed to budgeting and resource planning across engineering and infrastructure.
- Led multi-site IT operations across EMEA, aligning strategy with business growth and global compliance frameworks.
- Supported proposal development and client solution design in an MSP-style delivery model; contributed to architecture planning using TOGAF-aligned frameworks and participated in tender preparation for regulated clients.
- Designed and automated scalable CI/CD pipelines using Terraform and Jenkins, aligning with API-first and microservices architecture principles.
- Defined and tracked squad performance and service-level objectives (SLOs/SLIs) to measure delivery efficiency, system scalability, and operational resilience.
- Supported pre-sales proposals, client presentations, and technical solutioning in collaboration with cross-functional teams.
- Spearheaded enterprise integration of digital platforms using APIs and middleware across AWS and Azure.
- Created documentation and architecture diagrams to support audits, stakeholder communication, and compliance validation.
- Developed forecasting models and capacity planning tools using Python and SQL to support operational scalability and cost optimization.
- Created performance dashboards using Power BI and Grafana for executive reporting and KPI monitoring.
- Defined and tracked key operational KPIs including turnaround time, incident response time, and infrastructure utilization across hybrid cloud environments.
- Contributed to long-term (3–5 year) infrastructure planning and capacity forecasting, aligning engineering resourcing with business demand.

Selected Digital Projects

- **Digital Health Platform Modernization** – Led cloud-native redesign using microservices and RESTful APIs, enabling secure multi-channel patient access and reducing operational overhead by 30%.
- **Cross-System Integration for Regulated Client** – Delivered seamless data interoperability using middleware and message queues; supported ETL, compliance, and legacy system interfacing.
- **Observability and NFT Framework** – Built a unified monitoring stack (Prometheus, Grafana, Kafka) across hybrid cloud deployments, improving SLA tracking and early incident detection.

Lánasjóður íslenskra námsmanna, Reykjavík, Iceland 01/2015 – 12/2015

Information Technology Administrator / Project Coordinator

Led compliance-focused infrastructure initiatives for Iceland's national student loan agency, driving operational integrity and digital service resilience.

- Delivered disaster recovery and data protection plans using Veeam and Symantec, ensuring 100% backup reliability and continuity of critical services.
- Enabled regulatory compliance with ISO 27001 and GDPR through traceable system design, documentation, and risk management practices.
- Implemented SQL Server and Oracle data systems to optimize ETL performance and enhance decision-reporting accuracy.

First Steps Training and Development, London, United Kingdom 09/2011 – 07/2014

Business Development Director / Project Manager (Part-time and Full-time)

- Managed infrastructure and operations projects using MS Project and Jira, aligning IT delivery with business objectives and compliance needs.
- Led cross-functional teams to deploy inventory and data systems, improving asset tracking and reducing operational risk.

Education

M.Sc., Architecture in Advanced Environmental and Energy Studies – University of East London, London

Postgraduate Certificate, Information Systems and Technology – City University, London

Postgraduate Certificate, Education – University of London

Bachelor of Engineering (Hons) – Fourah Bay College, USL

Certifications

Certifications: CISSP · CCNP (Expired) · ITIL · MCSE · MCSE: Data Management & Analytics · MCSA · MCBA · C# Programming · PMP (Training completed - Pending Exam) · IQA Level 4

In Progress: AI Engineer Program