

Vitor Fava

Architect/Lead Data Platform Architect

SUMMARY

- Data Platform Architect with 20+ years of experience designing and scaling enterprise data systems.
- Expert in SQL Server, multi-cloud (AWS, Azure, GCP), performance engineering, and AI-driven operations.
- Managed 800+ SQL Server instances, Achieved up to 70% performance improvement, Delivered 80%+ cost reduction in cloud environments

TECHNICAL SKILLS

Main Technical Skills	Microsoft SQL Server, AWS, Performance Optimization, Unix, PowerShell
Programming Languages	VBA
.NET Platform	VBA
Data Analysis and Visualization Technologies	Databricks, ELT, ETL
Databases & Management Systems / ORM	Microsoft SQL Server, PostgreSQL, SQL
Cloud Platforms, Services & Computing	AWS, Azure, GCP
Amazon Web Services	AWS EBS, AWS EC2
Azure Cloud Services	Databricks
Industry Domain Experience	SAAS
Scripting and Command Line Interfaces	PowerShell
UI/UX/Wireframing	Prototyping
QA, Test Automation, Security	QA Automation, Usability tests
Virtualization, Containers and Orchestration	Storage
Operating Systems	Unix
Other Technical Skills	

WORK EXPERIENCE

Principal Data Platform Engineer - FreeWheel (SQL Server Platform Management and Modernization)

Duration: March 2023 – Present

Summary:

- Management and modernization of a large-scale SQL Server platform consisting of over 800 instances, including databases exceeding 12TB
- The project includes designing centralized observability, tier-based service models, and AI-driven operational intelligence to improve performance, cost efficiency, and operational automation in cloud and hybrid environments

Responsibilities:

- Owned SQL Server platform across 800+ instances
- Designed and implemented centralized observability platform (DBADash)
- Established standardized health checks and maintenance strategies
- Performed large-scale workload analysis
- Designed tier-based service model to improve SLA adherence
- Led performance optimization initiatives
- Led AWS optimization across 800+ EC2 instances
- Optimized storage performance (EBS gp3/io2)
- Led SQL Server modernization from 2012 to 2022
- Developed automation framework using PowerShell and dbatools
- Architected AI-driven operational intelligence platform
- Delivered consulting across SaaS, fintech, and logistics clients
- Designed cloud-native database architectures on AWS, Azure, GCP
- Led database migrations from on-premises to cloud and SQL Server 2022
- Built and optimized data pipelines using SQL Server, PostgreSQL, Databricks
- Conducted deep performance tuning and optimized ETL/ELT workflows
- Implemented monitoring and observability solutions
- Led infrastructure cost optimization initiatives
- Built automation frameworks to reduce operational effort

Technologies: SQL Server (2012-2022), AWS (EC2, EBS gp3/io2), Azure, GCP, PowerShell, dbatools, PostgreSQL, Databricks, AI-driven operational intelligence platforms

Microsoft AI & Data Platform MVP - Pythian (Enterprise Data Platform Modernization and AI-Driven Systems)

Duration: September 2015 – March 2023

Summary: Led modernization initiatives for over 30 enterprise clients, focusing on migrating SQL Server instances to Azure, designing data platforms processing large volumes of data, and architecting AI-driven systems such as recommendation engines and predictive maintenance solutions to improve operational efficiency and business outcomes.



Responsibilities:

- Led modernization initiatives across 30+ enterprise clients
- Migrated 50+ SQL Server instances to Azure
- Designed data platforms processing over 100 million records per month
- Architected AI-driven systems including recommendation engines and predictive models
- Developed predictive maintenance solutions
- Built automation frameworks using PowerShell and dbatools
- Designed high availability and disaster recovery architectures (Always On, Geo-Replication)
- Led SQL Server consolidation initiatives
- Implemented observability frameworks
- Delivered technical training and workshops impacting over 50 engineers and DBAs

Technologies: SQL Server, Azure, PowerShell, dbatools, AI-driven systems, Always On, Geo-Replication

IBM, Netshoes, Indra, Politec (Performance Improvements and Enterprise Data Platform Development)

Duration: 2004 – 2015

Summary:

- Delivered performance improvements and designed large-scale database architectures and high-availability environments across multiple industries
- Led SQL Server initiatives in mission-critical environments and contributed to building enterprise data platforms

Responsibilities:

- Delivered performance improvements ranging from 30% to 60%
- Designed large-scale database architectures and high-availability environments
- Built enterprise data platforms across multiple industries
- Led SQL Server initiatives in mission-critical environments
- Trained over 2000 professionals as a Microsoft Certified Trainer

Technologies: SQL Server, High Availability architectures

CERTIFICATION

- **Microsoft MVP (AI & Data Platform)**
Awarded for 8 consecutive years
2016–2023
- **Microsoft Certified Trainer (MCT)**
2008–2018
- **MCSE / MCSA / MCITP**

