

# Vafā Sarmast

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**Date and place of birth:** 8 February 1975, Rasht, Iran

## SUMMARY

More than 15 years of experience with a wide and thorough knowledge of software development, data and business intelligence development and engineering, IT infrastructures, and IT related standard compliance.

Significant experience of leading and working within multidisciplinary and multicultural teams.

*Certified ScrumMaster* with strong leadership and motivation skills.

Responsible and reliable, initiative, methodical and analytical, with ability to solve complex problems and focus on objectives and milestones.

### Technical Skills Overview

Software, Web, and BI Development • Enterprise Reporting • Data-warehousing • ETL Development  
Data Analysis • Software System Analysis • IT and Business Process Automation • Internationalisation

### Technologies Overview

*Development Frameworks, Platforms, and Languages:*

.Net Framework • Visual Basic .NET and C# • VSTO and VSTA • VBA • ASP.Net and ASP.Net MVC • HTML, XHTML, and HTML5 • CSS3 • XML, XPath, and XSLT • JavaScript and jQuery • REST API • Unicode

*Data and Business Intelligence:*

Transact-SQL • Microsoft SQL Server • SQL Server Services: SSIS, SSAS, and SSRS • Microsoft Access • Microsoft Excel and Self-service BI Tools: PowerPivot, Power Query, Power View, and Power Map • Power BI • Tableau • DAX • MDX • OData

*Development Environments and Tools:*

Microsoft Visual Studio • Microsoft Expression Web • Team Foundation Server • JIRA • Bitbucket • Microsoft Visio • Microsoft WebMatrix

*Analytics and Monitoring Tools:*

Google Analytics • New Relic • Nagios

*Infrastructures, Operations, and Process Automation:*

Windows Server • Active Directory • IIS • Microsoft SharePoint • Linux • SMTP

*Cloud Infrastructures, Platforms, and Services:*

Microsoft Azure • Office 365 • Google Apps • DNS Management • SendGrid • Zendesk

## EXPERIENCES AND CAREER HISTORY

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### Head of Data Science and Engineering

2016–

*Frontiers Media SA*, Lausanne, Switzerland

Head of the DSE Department, leading teams of Data Engineering, Data Science, Data Intelligence and Analytics, and Data Governance  
Member of Technology Leadership, defining enterprise strategies in technology and engineering  
Drive team practices, define the DSE vision and strategies, and act as the resident expert to develop and maintain data and BI infrastructure, platforms, products, and services:

- Design and implementing data-warehouse and organisational access points
- Design and delivering data products and services for robustness, scalability, and performance
- Design and developing BI applications and tools for data analysis and visualisation
- Developing enterprise reports from about 100 databases for all areas on business performance and analytics
- Manage data integration between internal applications as well as data collection from external sources

Provide technical advising to other business and IT teams

### Team Lead IT Operations and Reporting

2014–2015

*Frontiers Media SA*, Lausanne, Switzerland

Leading a team of System Engineers and BI Developers, for all business-critical systems and reporting applications—based in Lausanne and Madrid  
Administrate, develop, and maintain IT infrastructure—on-premises and cloud data-centres:

- More than 300 servers of production, test, and development environments
- IT infrastructures of Lausanne and Madrid Offices with more than 160 employees

Design and develop solutions for IT operations process automation (DevOps):

- Automating processes of building and maintaining development and test systems for more than 10 development teams

Develop and maintain data and BI infrastructure and solutions:

- Design and implementing data-warehouse and organisational access points
- Design and developing BI applications and tools for data analysis and visualisation
- Developing enterprise reports from about 100 databases for all areas on business performance and analytics

Provide technical advising to other business and IT teams

### Software Developer

2011–2014

*Frontiers Media SA*, Lausanne, Switzerland

Design and develop data solutions for Business Intelligence and Enterprise Reporting  
Design and develop software solutions for business process automation  
Provide technical advising to other business and IT teams

### Independent IT Consultant and Developer

freelance/part-time 1996–2011

*Various companies and organisations*, Tehran, Iran

Provide consulting and support services on software and IT systems  
Design and develop software, web, and database solutions  
Design and develop applications, components, and modules for structural and civil engineering, computer-aided design (CAD), and computer-aided engineering (CAE)

Head of Department of IT	2008–2010
IT and Software Manager	2004–2008
Structural Engineer	2004–2010

*Āigān Consulting Engineers*, Tehran, Iran

Managing IT infrastructure and providing technical advising on software systems  
Design and develop structural, civil, CAD, and CAE software and applications  
Audit technical documentation  
Staff training and education

Member of Committee of IT	part-time 2001–2010
Database Manager	part-time 2001–2006

*Alumni Association of Faculty of Engineering, University of Tehran*, Tehran, Iran

Design, develop, and administrate database of members  
Technical advising on IT systems, local network, database, and website

System Analyst and Technical Advisor	part-time 2002–2010
—In several projects of structural, civil, CAD, and CAE software development	

*Rāyān Sāzé*, Tehran, Iran

Analyse software systems and product feature requests  
Research and produce functional specifications and technical requirements  
Design and develop database solutions

CAD Software Developer	2000–2002
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*Rāyān Sāzé*, Tehran, Iran

Design and develop CAD automation components for a structural software

## CERTIFICATIONS

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Certified ScrumMaster (CSM)	2014
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*ScrumAlliance*, Zürich, Switzerland

## EDUCATION

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BSc in Civil Engineering	1992–1998
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*University of Tehran*, Tehran, Iran

## SOFTWARE AND IT SKILLS

Name	Versions	Proficiency	Duration
<i>Programming Languages, Technologies, and Standards</i>			
.NET Framework (WPF; WinForms; LINQ; etc.)	1.0–4.6.1	Advanced	2003–
C#	2.0–6.0	Expert	2003–
Visual Basic .NET	7.1–14.0	Expert	2003–
Visual Basic	5.0–6.0	Expert	1997–2009
Visual Basic for Application (VBA)	6.0–7.0	Expert	2000–
Visual Studio Tools for Applications (VSTA)	1.0–2.0	Expert	2008–
Visual Studio Tools for Office (VSTO)	3.0–4.0	Expert	2008–
HTML and HTML5	4.0–5.0	Expert	1999–
XHTML	1.0–1.1	Expert	2001–
CSS	1–3	Expert	1999–
XML	1.0	Expert	2005–
XSL; XSLT; XPath	2.0	Expert	2010–
JavaScript	1.3–1.8	Advanced	1999–
ASP.NET	1.1–4.6	Advanced	2004–
ASP.NET MVC	4.0–6.0	Intermediate	2012–
PowerShell	4.0–5.0	Advanced	2014–
AutoCAD DXF	u12–u19	Expert	1998–2005
Unicode	2.0–6.0	Advanced	1999–
Other programming languages (Python; Perl; C++; etc.)			1997–
<i>Development and Administration Tools and Environments</i>			
Microsoft Visual Studio (.NET)	7.0–15.0	Expert	2003–
Microsoft Visual Studio	5.0–6.0	Expert	1997–2009
Microsoft WebMatrix (ASP.NET Web Matrix)	1–3 (6.0–7.1)	Expert	2009–
Microsoft Team Foundation Server	2010–2015	Intermediate	2010–
Atlassian JIRA	5.1–7.0	Expert	2011–
<i>Data and Business Intelligence Solutions—Design and Development</i>			
Transact-SQL	2000–2016	Expert	2000–
MDAC (ADO; OLE DB; ODBC)	1.5–2.8	Expert	1998–2009
ADO.NET	1.0–4.6	Expert	2003–
Microsoft SQL Server	2000–2016	Advanced	2002–
Microsoft SQL Server Integration Services	2012–2016	Advanced	2012–
Microsoft SQL Server Analysis Services	2012–2016	Intermediate	2014–
Microsoft SQL Server Reporting Services	2012–2016	Intermediate	2012–
Microsoft Excel	97–2016	Expert	1997–
Microsoft Self-service BI (Power Query; PowerPivot; etc.)	2013–2016	Expert	2013–
Power BI	2.x	Advanced	2015–
Tableau	9.3–10.3	Intermediate	2016–
Microsoft Access	97–2013	Expert	1997–
MySQL	5.0–5.5	Intermediate	2008–
phpMyAdmin	2.10–3.3	Intermediate	2008–

## SOFTWARE AND IT SKILLS

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Name	Versions	Proficiency	Duration
<i>Infrastructures, Platforms, and Cloud IaaS and PaaS</i>			
Microsoft Windows	3.1–10.0	Expert	1994–
Microsoft Windows Server	2003–2016	Advanced	2003–
Internet Information Services (IIS)	6.0–10.0	Advanced	2005–
Microsoft Active Directory	2012–2016	Intermediate	2015–
Microsoft SharePoint (Web)	2010–2013	Advanced	2012–
Microsoft Office 365 (Administration)	2013–2016	Advanced	2014–
Microsoft Azure Administration, Active Directory, Virtual Machines, Virtual Network, Storage, SQL Database, SQL Data Warehouse, Data Factory, etc.		Intermediate	2015–
Linux	8.10–11.04	Intermediate	2008–
<i>Office and Documentation</i>			
Microsoft Word	97–2016	Expert	1997–
Microsoft PowerPoint	97–2016	Expert	1997–
Microsoft Outlook	2000–2016	Expert	2000–
Microsoft Visio	2003–2016	Expert	2003–
Microsoft Project	2000–2013	Intermediate	2001–
Adobe Acrobat Pro	6.0–DC	Expert	2003–
Adobe InDesign	CS2–CS5	Intermediate	2006–2012
<i>Building Information Modelling (BIM) and Computer Aided Design (CAD)</i>			
AutoCAD	10–2018	Expert/Developer	1996–
Autodesk Revit Structure	2009–2012	Advanced	2008–2012
AutoCAD Structural Detailing	2010–2012	Advanced	2009–2012
Autodesk Robot Structural Analysis Professional	2011–2012	Intermediate	2010–2012
AutoCAD Civil 3D	2009–2012	Intermediate	2008–2012
<i>Graphics and Media</i>			
CorelDraw	11–X8	Intermediate	2003–
Adobe Photoshop	5.0–CC	Intermediate	2000–

## LANGUAGES

<b>Persian</b>	Native language
<b>English</b>	Speak, read, and write with high proficiency
<b>French</b>	A2 in reading and writing; A1 in speaking

## WORK AUTHORIZATIONS

<b>Switzerland</b>	C Permit
<b>Canada</b>	Permanent Resident