Senior .NET Developer
Professional Skills Document

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Matheus Sexto
12 years of experience
2010-2022

EXPERIENCE SUMMARY

I started my career in 2010 as a Support Technician developing applications to automate help-desk tasks with .Net Framework. Some of these applications were used to create workstations checklist, software automatic installations and Active Directory tasks such as create group and user and assign users to a group. After two years, I've changed position in a new company and started to develop Level 2 automation systems as IT and Automation Analyst in a steel plant for 6 years. I've developed desktop and web .NET solutions to control and improve production performance and upgraded legacy systems. In 2018 I moved to Lisbon where I spent almost 3 years working in two different clients, first for an UK E-commerce and then for an UK Fintech. Since end of 2020 I have been working as .Net Consultant/ Software Engineer in Brussels for the electricity field. I love to share knowledge and learn with people and I believe these are the main and best practices to create a winning team.

TECHNICAL ABILITIES

1- **Beginner** Academic, training only | **2 - Intermediate** Level 1 + small projects or internships | **3- Advanced** Level 1/2 + project experience | **4 – Professional** Level 1/2/3 + wide professional experience | **5 - Expert**

PROGRAMMING

LANGUAGE	LEVEL	VERSIONS
.Net	4	3.5, 4, 4.5, 4.6, 4.7, Core 3.1, Net 5, Net 7
JavaScript / TypeScript	3	ECMA 5,6
PL SQL	2	11g
T-SQL/SQL	3	SQL Server 2005, 2012
Fortran	3	90/95
Python	1	3.5.4
HTML	3	5
CSS	3	3
Java	2	SE 7

CLOUD

Azure / AWS	3	
Oracle	1	

FRAMEWORKS

Angular	3	JS 1.7.3, 4, 6, 8, 9, 15
VueJs	3	2.6
Angular Material	3	6
.Net Identity	3	2, Core 3.1
.Net WebApi	4	2, Core 3.1, Net 5, Net 7
.Net Entity Framework	4	6.x, Core 3.1
Dapper	3	1.5x
SCRUM	4	-
Selenium	3	-
React	2	16

DATABASES

Microsoft SQL Server	3	2012
Oracle	3	11g
MongoDB	2	3.6.1
PostgreSQL	2	9.5
Azure Cosmos DB	2	-

TOOLS

Docker / Kubernetes	3	-
Jenkins / GitHub Actions	3	-
SonarQube	3	-
RabbitMQ	3	-
Git	4	-
SpecFlow	3	-

OPERATIVE SYSTEMS

Windows	3	7, 10, Server 2008, 2012, 2016
Linux	2	Ubuntu
OpenVMS	3	V8.3-1H1

OTHERS

OPC Communication / OSIsoft - PI	3	-

PROJECTS

NxPro - ATS4IT Client – Senior Software Consultant
January 2022 to Present

Context

Development and maintenance of new features to Nomination Exchange Processing tool. The main of the application is to maintain the Belgium electrical grid in balance so the production of electricity must be adjusted continually in line with consumption.

Main Activities	**Technologies**
Development.	C#; .Net 5; .Net 4.6; XUnit; Autofixture; FakeItEasy; Entity Framework; AzureDevOps; RabbitMQ; SqlServer; Git; WCF; Entity Framework; Hangfire; MVC

Issue Engine - ATS4IT Client – Senior Software Consultant
January 2022 to Present

Context

Development and maintenance of new features in a service that manages Issues into multiples applications.

Main Activities	**Technologies**
Development.	C#; .Net Core 3.1; XUnit; Autofixture; FakeItEasy; Entity Framework; AzureDevOps; RabbitMQ; Hangfire; SqlServer; Git

Portfolio – Personal Project - Developer / Architect
December 2022 to December 2022

Context

Project with emphasis on Angular, Docker and Azure to host my professional portfolio.

Main Activities	**Technologies**
Development. Architecture.	C#; .Net 7; Docker; Angular 15; nginx; GitHub Actions; Azure Functions; Azure Web App; Azure API Management; Azure Blob Storage; Azure Cosmos DB; Twilio Send Grid

Content Broker - ATS4IT Client – Senior Software Consultant
January 2022 to March 2022

Context

Development of a service that receives a XML, validate the payload using XPath expressions and apply some actions based on the validation result.

Main Activities	**Technologies**
Development.	C#; .Net 5; XUnit; Autofixture; FakeItEasy; Entity Framework; AzureDevOps; RabbitMQ; SqlServer; Git

Redirecting Tool - ATS4IT Client – Senior Software Consultant

September 2021 to October 2021

Context

Development of a project to create a shorten URL service for the company.

Main Activities	**Technologies**
Development.	C#; .Net Core 3.1; VueJs 2.6; XUnit; Autofixture; AzureDevOps; FakeItEasy; Entity Framework; SqlServer; Git

eClimbSafe - ATS4IT Client – Senior Software Consultant

April 2021 to December 2021

Context

Development of a project to help workforce mount at the right side in the pylons, following strict procedures and authorizations.

Main Activities	**Technologies**
Development.	C#; .Net 5; VueJs; UWP; Azure OCR; XUnit; BDD; Specflow; Autofixture; FakeItEasy; AzureDevOps; Entity Framework; SqlServer; Git

Scheduling Tool - ATS4IT Client – Senior Software Consultant

November 2020 to April 2021

Context

Development of a project to help managing the Belgium electrical grid.

Main Activities	**Technologies**
Development.	C#; .Net Core 3.1; WPF; XUnit; Autofixture; FakeItEasy; Hangfire; MongoDB; AzureDevOps; Git; RabbitMQ

Probid Tool - ATS4IT Client – Senior Software Consultant

November 2020 to April 2021

Context

Development of a project to help managing the Belgium electrical grid.

Main Activities	**Technologies**
Development.	C#; .Net Core 3.1; WPF; XUnit; Autofixture; FakeItEasy; Hangfire; MongoDB; AzureDevOps; Git; RabbitMQ

Valuation SDK- INSCALE Client – Senior Software Engineer

August 2020 to Present

Context

Creation of architecture and SDK to make customers portfolio bulk valuations for financial advisers. Message-driven architecture using AWS SQS and SNS with Control Service (manage schedule), Data Loader (file fetch and transform) and Data Process (valuation API) responsibilities.

Main Activities	Technologies
Development and architecture planning.	C#; .Net Core 3.1; Quartz; SSH.NET; Polly; AWS SNS SQS; NUnit; Wiremock; Autofac; Git; GitHub: Jenkins; Message-driven; Docker

Microservice SDK Maintenance - INSCALE Client – Senior Software Engineer

March 2020 to Present

Context

Maintenance and improvements of the SDK responsible for abstracting functions and configurations of all microservices used in the company including health checks, swagger configuration, bus libraries, certificates and security, metrics, cache and data layer.

Main Activities	Technologies
Development.	C#; .Net Core 3.1; Prometheus; Entity Framework; NHibernate; Autofac; Swagger; Serilog; NUnit; JustSaying; X509Certificate2; Prometheus,

Feature Toggle Library Migration - INSCALE Client – Senior Software Engineer

August 2020 to August 2020

Context

Migration from .Net Framework to .NET Standard 2.0 and adaptation for reading configuration files in both Windows and Linux file systems.

Main Activities	Technologies
Development	C#; .Net Standard 2.0; NUnit

AWS Lambda API Gateway Migration - INSCALE Client – Senior Software Engineer

August 2020 to August 2020

Context

 Migration from .Net Core 2.1 to .Net Core 3.1 with unit tests adaptations.

Main Activities	Technologies
Development	C#; AWS Lambda; NUnit,

Microservice Migration - INSCALE Client – Senior Software Engineer

March 2020 to August 2020

Context

Migration and containerization of current microservices to .Net Core 3.1. Code, unit test, integration test, swagger documentation, and configurations changes to deploy on k8s. PowerShell scripts made to automate microservices migration and containerization.

Main Activities	**Technologies**
Development	C#; .Net Core 3.1; Polly; Swagger; PowerShell; NUnit; Wiremock; DACPAC; Docker; JustSaying; Entity Framework; NHibernate; Serilog; HashiCorp Consul, Vault and Terraform; Git; GitHub; Harness; Jenkins; AWS SQS SNS S3

Angular Migration and Internationalization - INSCALE Client – Senior Software Engineer

June 2020 to June 2020

Context

Angular migration from 8 to 9 with adaptation for internationalization and creating different deploys according to the region. Pipeline modification to meet different packages by region.

Main Activities	**Technologies**
Development	Angular 9; npm; Jenkins; Karma; Jasmine; Git; GitHub; Docker; AWS S3 CloudFront.

GitHub Actions Workflow - INSCALE Client – Senior Software Engineer

June 2020 to June2020

Context

Developed GitHub actions workflows with tag validation (major, minor, and patch), for semantic versioning bump, unit tests, build and master deploy. Package creation and deploy for alpha and final releases on each pull request with artifact storage on GitHub and Nuget.org.

Main Activities	**Technologies**
Development and architecture planning	YAML; Git; GitHub Actions; PowerShell; Nuget

HashiCorp Vault Library - INSCALE Client – Senior Software Engineer

May 2020 to June 2020

Context

Library developed to be used with either .Net Core or .Net Framework. It connects a .Net application to HashiCorp Vault seamlessly to retrieve secrets and use them on application without storing locally.

Main Activities	**Technologies**
Development	C#; .Net Standard 2.0; NUnit; HashiCorp Vault; Git; GitHub; GitHub Actions;Nuget

Backoffice Systems Maintenance - Hitachi Consulting Client – Senior .NET Consultant

Context

Maintenance of many back-office applications for an e-commerce solution. As a senior software consultant was responsible to develop improvements, fix bugs, create unit tests, investigate and propose new technical solutions using SCRUM framework, CQRS, N-Layered architecture (UI, Service, Application, Domain, Data, CrossCutting) and TDD in most applications.

Main Activities	Technologies
Development	C#; VB; .Net MVC 5; .Net WCF; .Net WebAPI 2; TFS; Automapper; Xunit; RabbitMQ; Karma; Jasmine; Angular 6; AngularJS; NSubstitute; TeamCity; Octopus Deploy; Docker; Git

SSIS Migration and Maintenance - Hitachi Consulting Client – Senior .NET Consultant

Context

SSIS (SQL Server Integration service) package migration from 2015 SQL Server to 2012 SQL Server. As a developer, I had to change all VB.NET code in order to communicate the existing functions with the new SQL Server objects.

Main Activities	Technologies
Development	SQL Server 2005; SQL Server 2012; TL-SQL; SQL Server Integration Service

Automated Test Framework - Hitachi Consulting Client – Senior .NET Consultant

Context

As a developer, I was responsible to help testers on creating an automated test framework. Using an N-Layered and a clean architecture all the functional tests were created with BDD and Gherkin language, Page Object pattern and dependency injection. The framework decreases the regression time from 3 days to 30 minutes by running all tests in parallel.

Main Activities	Technologies
Development and architecture planning	C#; Selenium; Specflow; BDD; Gherkin Git; Autofac; Nunit; TFS; TeamCity; Octopus

Angular 6 Architecture - Hitachi Consulting Client – Senior .NET Consultant

Context

With an existent project running in AngularJS and .NET MVC, I was responsible for starting a new Angular 6 architecture to run along with the current project technologies. Using Angular CLI for build and test, the created architecture uses Angular Material as UI component framework.

Main Activities	Technologies
Development and architecture planning	Angular 6; Karma; Jasmine; Git; Angular Material; TeamCity; Octopus;

Bubbling Station - Update Legacy System - CSN - Developer

Context

Project with emphasis in web development using .Net Framework and Angular for the secondary metallurgy treatment. The application is responsible to do the steel treatment checking chemical analysis, adding material to achieve steel recipe and calculate predict target temperature using mathematical models. The goal of the project is update a Vb.Net application and a Fortran mathematical model with Angular in the front-end and using REST Web API N-Layered architecture (Service, Domain, Data, CrossCutting, Test) for the models using Repository Pattern and Token AD Authentication on back-end with a possible future changing for Microservice architecture.

Main Activities	**Technologies**
Analysis and architecture planning Web and Back-End Development Testing and production support and maintenance	C#; .Net EntityFramework 6; .Net WebApi 2; .Net Identity; Swagger; HTML 5, CSS3; TypeScript; Angular 5; ng2-toastr; AdminLTE; Oracle; SimpleInjector; XUnit; AutoMapper; log4net; SVN; Fortran;

Continuous Casting System - CSN - Developer

Context

Project with emphasis on web development using .Net Framework for a continuous casting machine. The application is responsible for controlling the level 2 system that reads real-time information from automation sensors via OPC through a .Net Windows service then feed mathematical models to optimize production. The system uses SingalR to consume a WCF and then display process information to operators and REST WebAPI to exchange data with other systems. N-Layered architecture (UI, Service, Application, Domain, Data, CrossCutting) using Repository Pattern and AD Authentication.

Main Activities	**Technologies**
Analysis and architecture planning Web and Back-End Development Production support and maintenance	C#; .Net MVC 5; .Net WCF; .Net WebAPI 2; .NET SignalR 2; .Net EntityFramework 6; HTML 5; CSS 3; AdminLTE; Bootstrap 3; JQuery; MicrosoftSQL Server; SVN; .Net Identity; AutoMapper; log4net; SimpleInjector; OPC; Jenkis; SonarQube;

EPPM Web API – CSN – Developer

Context

Project with emphasis on a web API development using .NET Framework Core and Docker. The application handles data obtained from a Microsoft SQL Server database and then exposes a REST WebAPI to a financial system with the same Oracle Primavera P6 project structure replacing manual entry in worksheets. The application is self-hosted in a Docker container on a Linux system.

Main Activities	**Technologies**
Analysis and architecture planning Back-End Development	C#; .NET WebAPI Core; Micrososft SQL Server, .NET EntityFramework Core; AutoMapper, SVN; Docker; Swagger; Jenkis; SonarQube;

Baumann System – CSN – Developer

Context

Project with emphasis on web MVC development using .NET Framework to control and store data and pictures from laboratory analysis on slab samples. Using Repository Pattern and manipulate canvas with JQuery and JavaScript the system provides management from each slab sample, both image and data information.

Main Activities	**Technologies**
Analysis and architecture planning Web and Back-End Development Test and Production support and maintenance	C#; .NET MVC 5; .NeT WebAPI Core; JQuery; AdminLTE; Bootstrap 3; JavaScript; Swagger; Microsoft SQL Server; SVN, .NET EntityFramework Core; .NeT Identity Core; AutoMapper; SimpleInjector; Xunit; SVN; Jenkis; SonarQube;

WebApi Core and Event Propagation Architecture – For Own Study – Developer / Architect

Context

Project with emphasis on REST .NET Core WebAPI Architecture and Event Propagation using RabbitMQ and Docker for study purpose. One Web API has as Microsoft SQL Server as database and when it updates the event propagates to another WebAPI with MongoDB, keeping data consistent between two different databases.

Main Activities	**Technologies**
Analysis and architecture planning Back-End Development Test and maintenance	C#; .Net WebApi Core; RabbitMQ; MongoDB; Microsoft SQL Server; .Net Identity Core; .Net EntityFramework Core; Swagger; Docker; GitHub

Portfolio – For Own Study – Developer / Architect

September 2017 to October 2017

Context

Project with emphasis on Angular and Docker to host my portfolio for study purpose.

Main Activities	**Technologies**
Analysis and architecture planning Back-End Development Test and maintenance	Angular 4; Docker; Nodejs; nginx; HTML 5; CSS 3; GitHub;

Primetals Continuous Casting System – CSN – Level 2 Automation Project Leader

January 2015 to February 2016

Context

Project with emphasis on Java services and Windows Forms for a continuous casting machine. The application was bought as a "revamp" to replace the existing system. It is a very stable system and just few maintenances in the code are made, basic just some java code patches created in Netbeans IDE and stored procedures modifications.

Main Activities	**Technologies**
Level 2 Automation Project Leader (Specification, Meetings, Performance Test Acceptance) Network Architecture OPC Communication Project Leader Back-End Development (Development of secondary applications to share information with this system) Production support and maintenance	C#; SVN; Java; WPF; SVN; Oracle;PL SQL; OSIsoft PI OPC;

Steel Plant Information Exchange Service – CSN – Developer / Architect

February 2015 to June 2015

Context

Project with emphasis in exchange information between systems via database tables. The application consists in a .NET Windows Service that reads an output table from the origin database and sends the data for the WCF or REST WebAPI destination. The destination service is responsible to write the data in the entry database table.

Main Activities	**Technologies**
Analysis and architecture planning Back-End Development Test and Production support and maintenance	C#; WCF; .Net EntityFramework 6; Dapper; .Net Web Api 2; Swagger; Automapper; SVN; Oracle; Microsoft SQL Server; Jenkis; SonarQube; XUnit;

.Net Template – CSN – Developer / Architect

June 2014 to October 2014

Context

Project with emphasis in .NET C# N-Layered Architecture. The goal of this project was to create a unique template for the entire team to develop fast and maintainable WebAPI and MVC applications.

Main Activities	**Technologies**
Analysis and architecture planning Back-End Development Test and Production support and maintenance	C#; .Net EntityFramework 6; .Net Web Api 2; Swagger; Automapper; SVN; Jenkis; SonarQube; Xunit;

RH Equipment Availability – CSN – Developer

February 2014 to April 2014

Context

Project with emphasis in .NET C#. The application consists of a mapping of problems that delay or prevent the use of RH Vacuum Degassing steel process equipment. With a parameterizable time of treatment and a parameterizable interval between each treatment is possible through automatic process information via OPC identify an availability of the equipment. Graphics and Reports are generated by the application to a better understood of the availability.

Main Activities	**Technologies**
Analysis and architecture planning Back-End Development Production support and maintenance	C#; Windows Forms; Oracle; ADO .NET; SVN; Microsoft Chart Control; OPC Jenkis; SonarQube;

BEA MessageQ and RDB Database Migration – CSN – Developer

April 2013 to July 2013

Context

Project with emphasis in .NET C# and WCF. The goal of this application was to replace a legacy database and communication between C# client and Fortran process running on OpenVMS Server. Oracle was chosen for the new database and WCF was used to get the requests then write on database and wait the Fortran process callback to send the response to user.

Main Activities	**Technologies**
Analysis and architecture planning Back-End Development Change RDB queries to Oracle 10g (Fortran and C#) Production support and maintenance	C#; WCF; Oracle; .Net Windows Forms; SVN; Fortran;

Automate Active Directory Workflows – Algar – Developer
August 2011 to November 2011

Context

Project with emphasis in .NET C#. The workflow to approve access to IT resources in the company was done by email then the goal of this application was to read outlook emails with an established standard and automatically add users to Active Directory groups.

Main Activities	**Technologies**
Development	C#; .Net Windows Service;
Production support and maintenance	

Workstation Check List – Algar – Developer
February 2011 to March 2011

Context

Project with emphasis in .NET C#. The application consists in create a pdf document with all the resources and software from a workstation to assist help-desk activities.

Main Activities	**Technologies**
Development	C#; .Net Windows Forms;
Production support and maintenance	

LANGUAGES

A1/A2 Basic user; | **B1/B2** Independent user; | **C1/C2** advanced user

	UNDERSTANDING	SPEAKING	WRITING
Portuguese	Native	Native	Native
English	C1	B1	B1
French	A1	A1	A1

EDUCATION

2016 (June)	**Graduate Degree in .Net Software Engineering by Infnet, Rio de Janeiro, Brazil.**
2009 (December)	**Bachelor of Information Systems by Dom Bosco College, Resende, Brazil.**

Certifications:

2022 (Nov)	**Microsoft – Azure Developer Associate.**
2021 (Nov)	**Linux Foundation – CKAD: Certified Kubernetes Applications Developer.**
2020 (May)	**Oracle –Oracle Cloud Foundation Certification.**
2019 (August)	**Microsoft – Azure Fundamentals Certification.**
2019 (August)	**CertiProf – Scrum Foundation Professional Certificate.**
2017 (March)	**Microsoft – HTML5 with JavaScript and CSS3 Certification.**

Courses:

Full Stack Open by University of Helsinki and Houston Inc. (online);
M101N: MongoDB for .NET Developers by MongoDB Online University (online);
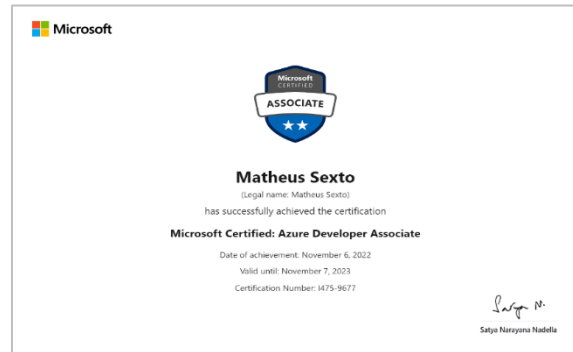**ASP.NET Core and Angular 4 by Eduardo Pires Training and Consulting;**
Microsoft 20486B: Developing ASP.NET MVC Web Applications by NSI;
Microsoft 20480B: Programming in HTML5 with JavaScript and CSS3 by NSI;
Software Architecture by Eduardo Pires Training and Consulting;
ASP.NET MVC 5 Enterprise Applications by Eduardo Pires Training and Consulting;

CERTIFIED kubernetes APPLICATION DEVELOPER

The Cloud Native Computing Foundation hereby certifies that

Matheus Sexto

has successfully completed the program requirements to be recognized as a

Certified Kubernetes Application Developer

November 04, 2021   LF-5z8zrkw5kz

PRIYANKA SHARMA, GENERAL MANAGER   DATE OF COMPLETION   CERTIFICATE ID NUMBER
CLOUD NATIVE COMPUTING FOUNDATION

To verify the status of this Certificate, please visit: http://training.linuxfoundation.org/certification/verify

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Microsoft

ASSOCIATE ★★

Matheus Sexto
(Legal name: Matheus Sexto)
has successfully achieved the certification

Microsoft Certified: Azure Developer Associate

Date of achievement: November 6, 2022
Valid until: November 7, 2023
Certification Number: I475-9677

Satya Narayana Nadella

Microsoft Certified
Azure Fundamentals

MISTER MATHEUS SEXTO

Has successfully completed the requirements to be recognized as a Microsoft Certified: Azure Fundamentals.

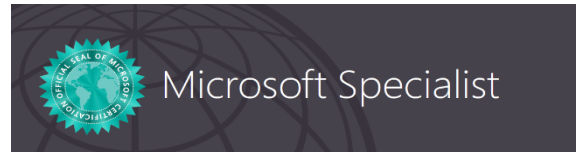Date of achievement: August 27, 2019

Satya Nadella
Chief Executive Officer

Microsoft CERTIFIED FUNDAMENTALS ★

Microsoft

Certification number: I1214-4061

Microsoft Specialist

MISTER MATHEUS SEXTO

Has successfully completed the requirements to be recognized as a Microsoft Specialist: Programming in HTML5 with JavaScript and CSS3.

Date of achievement: 01/26/2017
Certification number: G056-5377

Satya Nadella
Chief Executive Officer

Microsoft Specialist

Certificado de Treinamento Profissional

Certificamos que

Matheus Sexto

Completou com sucesso o treinamento em
ASP.NET Core e Angular 4

Carga horária: 50 horas
Conclusão: 26/08/2017

Eduardo Pires – Microsoft MVP Visual Studio and Development Technologies

Eduardo PIRES
Treinamentos e Consultoria

MVP Microsoft Most Valuable Professional

Certificado de Treinamento Profissional

Certificamos que

Matheus Sexto

Completou com sucesso o treinamento em
Arquitetura de Software .NET

Carga horária: 24 horas
Conclusão: 07/05/2016

Eduardo Pires – Microsoft MVP Visual Studio and Development Technologies

Eduardo PIRES
Treinamentos e Consultoria

MVP Microsoft Most Valuable Professional

MongoDB University

Course Completion Confirmation

FEBRUARY 2018

This confirms

MATHEUS SEXTO

successfully completed

M101N: MongoDB for .NET Developers

a course of study offered by MongoDB, Inc.

Shannon Bradshaw
VP, Education
MongoDB, Inc.

UNIVERSITY OF HELSINKI   Full Stack Open   HOUSTON

`{() => fs}`

CERTIFICATE OF COMPLETION

presented to

MATHEUS SEXTO

This is to certify that you have successfully completed the 3 ECTS online course

Matti Luukkainen
University lecturer, University of Helsinki

Pasi Honkanen
COO, Houston Inc.

PROFESSIONAL CERTIFICATE — CertiProf Professional Knowledge — SCRUM FOUNDATION — SFPC

ORACLE Certified Associate