

# José Matos

- Proficient in a variety of languages and frameworks across all software layers, with 26 years of experience delivering high quality code.
- Team player, with good communication skills, with 10 years of experience as tech lead and experience of working in international teams.
- Deep and broad technical knowledge, including application architecture, micro services, virtualization and cloud technologies.
- Certified Product Owner CSPO and Professional Scrum Master PSM, with 5 years of experience in Agile environments.
- Passionate about technology and building amazing software and user experiences, I dedicate a considerable amount of time each week learning new technologies.

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## **Professional Experience**

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**February 2019 – Present**

**Swiss International Air Lines, Switzerland  
Senior Applications Engineer**

Development and maintenance of software for airline industry, implementing best practices and patterns including SOLID, OOP, KISS, YAGNI, DRY, Redux, naming conventions, singletons, factories and repositories.

### Projects

Complete SDLC for FeedbackApp - an Angular application to be added to any web application.

This application is composed by 4 distinct components: App (angular using material), API (.Net Core), Dashboard (angular using NgRx) and Demo/Tutorial/presentation website (HTML5, CSS, JQuery and some plugins).

Complete SDLC for Centralized Logging system for angular applications - node package in Typescript to be integrated in Angular apps + API (.Net Core).

Development of Angular/node libraries to handle Swiss-UI and common challenges like logging, error management, loaders, etc.

As side project, development of Redux/NgRx generator to simplify development - it generates states, actions, reducers, effects and selectors from a typescript interface.

### Responsibilities and accomplishments:

- Work as part of a SCRUM team
- Creation of GUI's using Angular 8, with focus on UX
- Creation of Web API's (REST webservice) using .NET Core 2.2
- Use of Entity Framework in Code First or Data First scenarios, using Microsoft SQL Server
- Creation of unit tests in Angular and .NET Core
- Version control with TFVC and Git in TFS and Azure DevOps
- Creation of CI / CD pipelines in TFS and Azure DevOps
- Provide technical guidance, coaching and training to other developers regarding Angular

### Tech stack:

Front-end: Microsoft Studio Code, Angular 8, RxJs, NgRx, HTML5, CSS, Javascript, TypeScript, JWT, ADFS

Back-end: Microsoft Visual Studio, .NET Core, C#, Linq, Entity Framework, Microsoft SQL Server, SignalR, TFS, Azure DevOps

Lead a team of 5 developers.

Development of software using SOLID and OOP principles.

Test Driven Development (TDD), creation of Unit tests, creation of Integration Tests and use of Behavior Driven Development (BDD).

Database-centric Architecture and Domain-centric Architecture with CQRS.

Agile methodologies SCRUM and Kanban, during production and maintenance.

Data modeling and database design. Use of query analyzer and index optimization.

Systems integrations using webservices SOAP and REST. Microservices and SPA.

Version control and deploy with Sourcetree and Bitbucket (GIT).

Continuous Integration, Continuous Delivery and Continuous Deployment.

### Projects

Development of software for insurance industry:

- developed Android app for service providers
- developed Android app to manage Android cameras in auto repair shops
- developed back-office web application using Asp.NET Web Forms, JQuery, and Responsive Design
- development of realtime dashboards using Ably (SignalR alternative)
- developed report system using Crystal Reports
- developed multiple web applications for distinct stakeholders
- integration with multiple platforms and services
- use of Azure Blob Storage as storage solution
- use of Azure functions for image processing
- use of Azure SQL Database as database solution
- use of Virtual Machines and Virtual Machine Scale sets for hosting
- developed REST webservices using .NetCore
- developed new Android app using Ionic4 / Angular /Typescript

Development of software for international transports industry:

- developed back-office web application using Asp.NET MVC, JQuery, and Responsive Design
- developed realtime auction frontend
- developed realtime custom chat
- implemented Globalization - 8 languages in total including Russian and Chinese
- implemented payments in multiple currencies
- Paypal, Stripe and HiPay integration
- use of Azure Blob Storage as storage solution
- use of Azure functions for image processing

Development of software for healthcare industry:

- developed Android client for employees
- developed Android client for customers using Ionic4 / Angular /Typescript
- developed back-office web application using Asp.NET MVC, JQuery, and Responsive Design
- integration with telephony devices using .NET console applications
- integration with Office 365 Outlook
- use of Azure Blob Storage as storage solution
- use of Azure functions for image processing

Development of web platform to manage a digital signage network:

- definition of minimum hardware for client Android players
- use of AWS Microservices for authentication (Amazon Cognito), notifications (AWS SNS) and custom function for image processing (AWS Lambda)
- use of AWS S3 as storage solution
- developed Android client
- developed Windows client using .Net C#
- developed back-office web application using Asp.NET MVC, JQuery, and Responsive Design
- developed SOAP Webservices using Asp.NET MVC
- developed REST webservices using .NetCore
- integration with weather and news services

Multiple smaller projects using a wide range to technologies.

### Responsibilities and accomplishments:

- Collaborate with clients, product managers, and other stakeholders to determine functional and non-functional requirements for software
- Create representations for functions and user interface of the desired product, based on received requirements (using UML)
- Develop high-level product specifications with attention to system integration and feasibility
- Define all aspects of development for each component, from appropriate technology and workflow to coding standards and connection between all components
- Communicate all concepts and guidelines to the development team
- Oversee the progress of the development team to ensure consistency with the initial design
- Provide technical guidance and coaching to developers
- Ensure software meets all requirements of quality, security, modifiability, and extensibility
- Explore new technologies and present them to the team

### Tech stack:

Microsoft Visual Studio, Microsoft Studio Code, Microsoft SQL Server, ASP.NET, ASP.NET MVC, .NET Core, C#, VB.NET, Linq, Entity Framework, WCF, HTML5, CSS, Javascript, TypeScript, JQuery, Ajax, Microsoft Azure, AWS, OneSignal, Ably-Realtime, Twilio, Ionic, Angular 7, Vue.js, React, OAuth, JWT, GraphQL, PostgreSQL

**July 2008 – September 2014**

**Kiosk Zone, Portugal  
Lead Software Developer - Senior Applications Engineer**

Lead a team of 3 developers.  
Involved in requirements gathering, analysis, design, development and maintenance.  
Data modeling and database design.  
Database-centric Architecture and Object-Oriented Programming (OOP).  
Systems integrations using webservices SOAP and REST.  
Extended use of SOA.

### Project

Development of software for insurance industry.

### Responsibilities and accomplishments:

- Collaborate with clients and other stakeholders to determine functional and non-functional requirements for software
- Develop high-level product specifications with attention to system integration and feasibility
- Communicate all concepts and guidelines to the development team
- Oversee the progress of the development team to ensure consistency with the initial design
- Provide technical guidance and coaching to developers
- Ensure software meets all requirements of quality, security, modifiability, and extensibility
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### Tech stack:

Microsoft Visual Studio, Microsoft SQL Server, ASP.NET, C#, VB.NET, WPF, HTML5, CSS, Javascript, JQuery, Ajax, Microsoft Azure, VmWare

**September 1993 – June 2008**

**Produções Digitais, Portugal  
Applications Engineer / Senior Applications Engineer**

### Projects

Development of bank account management software.  
Development of production control software for the textile industry.  
Development of risk analysis software for banking.  
Development of expert management software for the insurance industry.  
Development of custom software.

### Responsibilities and accomplishments:

- Involved in requirements gathering, analysis, design, development and maintenance
- Data modeling and database design

### Tech stack:

C++, Turbo Pascal, Clipper, Basic, Microsoft Visual Studio, Microsoft SQL Server, ASP.NET, C#, VB.NET, WPF, HTML, CSS, Javascript

### IT Skills

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#### Languages:

C#/VB           proficient(15y)  
Java            good(2y)  
JavaScript     proficient (10y)  
Typescript    proficient (4y)  
Linq            good(2y)

#### Markup & data processing:

HTML 5        proficient(15y)  
CSS 3          proficient(15y)  
XML            proficient (10y)

#### Tools

Git             proficient(4y)  
TFVC          good(1y)  
CI/CD         proficient(4y)

#### Frameworks & tools:

Angular Js & 4 to 8   proficient(4y)  
React           proficient(2y)  
Vue.JS          good(1y)  
RxJs            proficient(2y)  
NgRx            proficient(1y)  
Ionic Framework    proficient(3y)  
JQuery          proficient(10y)  
NodeJS         good(4y)

#### Web Development

ASP/ASP.NET   proficient(12y)  
MVC            proficient(4y)  
.NET Core      proficient (1y)  
Entity Fram.   Proficient(3y)

#### Databases

MSSQL         proficient(15y)  
MySQL         good (2y)  
PostgreSQL    good (1y)  
MongoDB       good(2y)  
Firebase       good(1y)

#### Cloud

Azure           proficient(5y)  
AWS            proficient(2y)  
Docker          good(1y)  
VmWare         proficient(8y)

### Education and Qualification

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<b>1989 - 1993</b>	Degree in Mathematics & Computer Science	University of Porto	Portugal
<b>2011 - 2012</b>	Major in Lean Management	CLT	Portugal
<b>2017</b>	CSPO® CERTIFIED SCRUM PRODUCT OWNER	Scrum Alliance	
<b>2017</b>	Management 3.0	Happy Melly	
<b>2018</b>	AWS Certified Cloud Practitioner	Amazon	
<b>2019</b>	Professional Scrum Master PSM1	Scrum.org	

### Languages

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Portuguese    Mother tongue  
English        Fluent  
Spanish        Fluent