

# Duarte Mateus

## Tech Lead

### Contact

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### Social/Git

in linkedin.com/in/duarte-mateus

🐙 github.com/duartemateus

### Education

Bachelor's Degree in computer science  
Polytechnic Institute of Leiria,  
Portugal  
2012-2016

Bachelor's Degree in computer science - Erasmus + Program  
Tehničko veleučilište u Zagrebu,  
Croatia  
2015-2016

Professional Course in Management, Technician and Programmer of Informatic Systems  
Secondary School Dr. Ginestal Machado,  
Portugal  
2006-2009

## Professional Experience

### Tech Lead

Tax Systems Ltd. | Oct. 2020

**Scope:** Full stack development, Azure, .NET.

**Contribution:** Helped introduce and maintain better practices. Architect and guide new development and the refactoring of legacy code to allow scalability.

#### Responsibilities:

- Participate in the planning process with the Product Management Team to provide estimates, highlight concerns, technological risks and suggest contingency plans
- Bridge the gap between Product Management Team and Development Team
- Reduce code churn
- Architect maintainable and scalable solutions
- Liaise with the Architects on overall solution design
- Introduce design patterns and provide design directions to the Software Engineers
- Create a space where the Engineers feel comfortable with voicing their concerns/ask questions
- Liaise with Scrum master on priorities and allocations for upcoming work to balance engineers experience against their personal development and needs
- Maintain a good overview of development, possible risks and blockers and be hands-on when required

### Software Engineer

Tax Systems Ltd. | May. 2019

**Scope:** Web development, microservices, multi tenancy.

**Technologies:** Full stack development .Net core, .Net standard, Javascript, IOC, TDD, Entity framework.

**Contribution:** Helped delivering the first iteration of a new product. Worked on introducing microservices and multi tenancy to replace an older system.

## Professional Skills

- Problem Solving
- Motivation
- Teamwork
- Communication
- Adaptability
- Tenacity

## Technical Skills

- C#
- .NET Core
- .NET Framework
- CSS
- HTML
- Bootstrap
- JavaScript (ES5, ES6+)
- JQuery
- Ruby
- Typescript
- Vue.js
- Node.js
- SQL
- MongoDB

## Miscellaneous Skills

- Git
- Angular.js
- Angular 2.0
- Git Flow
- SVN
- Inversion of Control (IoC)
- Python
- Perl
- Java
- Android Development
- PhoneGap
- Test-Driven-Development
- Unit Testing
- Agile Development

### Software Engineer – Web Application

OSMO Data Technology Ltd. | Aug. 2018

**Scope:** Data Mining, Machine Learning, Full Stack Development.

**Technologies:** .NET Core, IoC, TDD using Moq, Vue JS and a few other Web-oriented technologies to develop a web interface for machine learning as well as the backend.

**Contribution:** Helped design and implement the Web Application and respective APIs (which the Connectors rely on for various functions including updating) using .NET Core to replace the previous aging system.

### Software Developer - Connectors

OSMO Data Technology Ltd. | May. 2017

**Scope:** Financial Data extraction and Account Package Connection, Data Mining, Machine Learning, Full Stack Development.

**Technologies:** C#, .NET Core, Vue JS and a few other Web-oriented technologies.

**Contribution:** Creation and maintenance of connectors.

Creation from the ground up of a web interface and backend of a semi assisted learning categorization system using a drag and drop implementation.

### Software Developer - Contractor

N/A. | Feb. 2016

**Scope:** Full Stack Development.

**Technologies:** C#, Java, Angular, PHP, JavaScript.

**Contribution:** Maintain Web/Desktop applications, implement new.

## Open-source contributions

**Intrigue.io** - [Intrigue.io](#) · [GitHub](#)

**Scope:** Cybersecurity, vulnerability discovery.

**Technologies:** Ruby, Python, Go.

**Contribution:** Bugfixes, Architecture, Protocol Support