# MAX

## Maximiliano Aldunate ■

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Nationalities: Argentinan, Italian and Spanish
52 years old, resident in Barcelona since 2002

## ABOUT ME ■

**Software Engineer – NET Architect +20 years**

With more than 30 years in technology, training has been and is a constant, I worked initially with administrative-accounting systems and in recent years designing and implementing cloud infrastructure with Azure and AWS.

I worked in big companies. At Siemens in the Emergency and Health industry with high availability systems managing calls to 061 and 112. In the logistics industry for MRW with business software in fault-tolerant and highly scalable systems for a large number of users.

I have participated in development and software architecture teams, managed development teams with the traditional waterfall methodology and the last 15 years with agile methodologies such as Scrum and Kanban.

Finally, for the last 3 years I have worked completely remotely for a startup in the UK(London) in the marine fuel bunker industry as part of a small team of 5 senior engineers where agility and speed have been keys to put into production systems that add value to the user (MVP – Minimum Viable Product).

## SKILLS & EXPERTISE ■

**Architecture & Design**
- SOA, CQRS, ESB, EIP, Design Patterns, SOLID, Clean Code, TDD, DDD, MVC, IoC

**Management**
- Scrum, Kanban, Team Lead, TFS/Git Issues

**Main Languages & Version Control**
- C# (Net Framework and Net Core), JavaScript, Python, C, Java, TFS, Git

**Dev Ops**
- Docker, Azure Dev Ops, TeamCity, AWS Certified Solution Architect (2018)

**Messaging**
- MSMQ, RabbitMQ, NATS, Azure Service Bus

**Databases & ORMs**
- MongoDB, MS SQL Server, Oracle, NHibernate, Entity Framework

**Web Services & Testing**
- RESTful APIs, JSON, WCF Services, SOAP, XML, MoQ, XUnit

## LANGUAGES ■

**Spanish** native          **Catalan** spoken and written

**English** full professional proficiency (B2)

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**Computer Engineering Degree. 2005 – 2009**
Open University of Catalonia. UOC.

**EOI – Official School of Languages – Spain**
Certificate in English. Intermediate B2 Level. 2011 – 2012

**Griffith College Dublin**
Business English Course – Ireland. 2013

**National University of Tucumán**
2 years of Economics. 2000 - 2002

**National University of Technology**
3 years Software Engineer. 1989 – 1993

**DETAILED WORK EXPERIENCE** ■
FROM 2002 ■

**BUNKEREX** **Full Stack Engineer at BunkerEx - London based startup**
Jan-2020 – May-2023, 3 years

**Innovative new fintech products for age-old shipping industry contributing with marine fuel price transparency**

- Member of a small development team, full remote, made up of 5 senior engineers. Development of minimal functionalities providing value to prove its acceptance by users, agility and flexibility to stop developments and advance those that have had greater acceptance

- Technical design and implementation of new features

- WhatsApp bot (+44 118 310 0466) with fuel price and bunker related info for ports around the world

- CI/CD implementation with Azure DevOps, alert system with Azure Application Insights and Azure Monitor-Alerts

- Integration with high capacity data providers with [NATS Server](#) and Azure Service Bus, communication of this fast data to web clients with Azure SignalR.

- Migration from a monolithic console application to a microservices system with Azure Function Apps, communication via Azure Storage Queues, Service Bus and Redis

**FORTIASOFT** **Freelance Software Engineer – Madrid based startup**
Jul-2019 – Dec-2019, 6 months

**Working remotely in a multi-tenant platform high availability and fault tolerance for ticketing sales website.**

- Development. Ubuntu, .Net Core 2.2, VS Code, Git Hub, Flock+Slack

- Frontend. NodeJs & Vue

- Backend. Ubuntu Server, Net Core 2.2, Serilog, MySql

- Infrastructure. Nginx, Kestrel, Redis, Kibana, Elasticsearch

**Enterprise Software Engineer at MRW**
Oct-2009 – Jan-2019, 10 years

**Logistics Management Web Application
for 600 MRW branch offices and logistic platforms, 4K users**

- Architecture team member and team leader managing up to 10 developers
- Technical design of new features
- Development of key core components

Tech Stack

- Microservices with Windows App Servers – C# .NET 4 and 4.5
- Communication with RabbitMQ & on premise ESB (Enterprise Service Bus)
- CQRS pattern implemented with MongoDB and asynchronous views
- MongoDB with shards and replicas
- SQL Server + NHibernate for Reporting and Invoicing modules
- Web API RESTful Json
- Frontend SPA with ASP.NET MVC & JavaScript
- Backoffice ASP.NET MVC + Angular
- Continuous Integration (CI) Python Scripts & TeamCity (Deploy & Unit Tests)
- Functional Testing with FitNesse

**Online Shop for MRW**
- ASP.NET
- MongoDB backed

**Logistics Enterprise Integration System**
- WinForms Desktop App
- SOAP Web Services + FTP Integration/File Watcher
- MS SQL Server

**CRM for all MRW branch offices**
- WPF Desktop App. MVVM pattern
- WCF Web Services + C#
- MS SQL Server + LinqToSql

**Software Developer at Bilbomatica**
May-2008 – May-2009, 1 year

- Traffic Fines Management Application for City Councils and "Diputació de Barcelona"
- C# + VB.Net against SQL Server, Oracle and DB2
- Mobile Apps with Windows CE

**SIEMENS** **Software Developer at Siemens**
Aug-2002 – Apr-2008, 6 years

- SEM. Sistema d'Emergències Mèdiques Catalunya
- High Available Emergency Management System. 061 & 112 emergency phone calls
- Oracle Cluster 7/8/9 VB6, migration to Vb.NET and C#
- 24/7 Technical Support

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**Designing MS Azure Infrastructure Solutions**
- A Cloud Guru-2020

**MS-Azure Administrator Certification**
- A Cloud Guru-2019

**AWS - Amazon Web Services Certified Solutions Architect**
- A Cloud Guru 2017-8
- Cloud Academy Labs
- aws CERTIFIED

**Docker, Vagrant and Puppet**
- Linux Academy-2017

**R Programming for Data Science**
- Johns Hopkins University-2017

**ASP.NET Core 1.0 Cross Platform**
- Microsoft Virtual Academy-2017

**Neo4j Graph Platform**
- Pluralsight-2016

**Advanced .NET Threading**
- Microsoft Virtual Academy-2015

**Demystifying LINQ**
- Microsoft Virtual Academy-2015

**Programming Mobile Application for Android Handheld Systems**
- University of Maryland. Oct-2014

**Data to Insight – Introduction to Big Data**
- The University of Auckland. Mar-2014

**Software as a Service. Ruby on Rails**
- Berkeley. University of California. Aug-2013

**Pattern-Oriented Software Architectures for Concurrent and Networked Software**
- Vanderbilt University. Nashville. May-2013

**Crafting Quality Code (Python)**
- University of Toronto. Apr-2013

**MongoDB DBA y Developer**
- Official MongoDB. Dec-2012

## WORK EXPERIENCE IN ARGENTINE ■
### FROM 1992 TO 2002 ■

**Computer Analyst and Programmer at "Transporte Automotor 7 de Julio SA"**
Dec-1997 – Feb-2002. 4 years

- Functional analysis and programmer. ERP with Visual Fox Pro

**Freelance Programmer**
Jan-1998 – Jan-2001. 3 years

- Visual Fox Pro 6, Windows NT, Novell Server, Users Training

**Programmer at Minera Alumbrera Ltd**
Mar-1994 – Dec-1997. 4 years

- Import Management App. Payment of custom duties. Oracle, Forms & PL/SQL

**School Teacher at Copacabana Public School**
Mar-1992 – Nov-1997. 6 years

- Teaching Programming (Pascal y Cobol) in high school. Office Suites/Windows/DOS

**Junior Programmer at San Patricio College**
Jun-1990 – Dec-1992. 2 years

- Software development with dBase III+ under DOS 3.30 and AS/400 + COBOL