

# Main Skills



# Alejandro Madariaga Navarrete

	Skills	Examples	Achivements
1	<b>Software Project Manager</b>	Experienced with Moprosoft model and Agile techniques and tools for software management and development (2 to 14 developers at my teams)	1) At least 40 tailored software projects for small companies 2) At least 20 tailored software projects for multinational companies 3) 5 projects with overseas companies (Canada, UK and USA) 4) Vemobile project. An Automated Sales Force application with more than a 100 customers in México and overseas (www.vemobile.mx)
2	<b>IOT Arquitect</b>	I've desgined a complete IOT solutions including sensors, firmware, telecommunications and Web Platform	1) Four Patents for IOT solutions in México (In alliance with CLARION) 2) Four IOT innovative Water Caring IOT products ready to market (2024) 3) A web / Mobile IoT Platform for IoT products
3	<b>Complex problem Solver</b>	Applicaion of IOT, AI, Computer Vision and Expert Systems Techniques for solving complex math models problems	1) Quality detection through artificial vision for Gollek Interaméricas (Linares NL, 2005) 2) Network Sourcing Optimization System for Kellogg Latin América 3) Network route optimization tool for IoTrack Clarion/Hitachi
4	<b>Team Leader</b>	I'm empathic and motivator with people I provide technical guidance and following up to teams Full time Professor at ITESM for 7 years Head of Computer Science Department at ITESM	1) 22 Artificial Intelligence Research papers with undergraduate students (between 1991 and 1997) 2) Experienced Project Manager since 2005 3) Global evaluation < 1.4 (1 to 5 escale from excelence to bad) 4) Improve from 3.6 to 2.4 the profesors evauation (same escale) 5) 3 Academic program profeesors interchanges for ITESM Qro Cuba, EU, Canadá
5	<b>Cultural Adaptation</b>	Academic&industrial work sesions at software implementations in 10 different countries overseas	1) 16 successful software implementations for Kellogg LA Guatemala, Colombia, Brazil, Venezuela, Argentina 2) Working sesions and facilities visits with IOT providers at Spain & Taiwan
6	<b>AI/IoT Researcher</b>	2 years as a resercher at ITESM Center for Artificial Intelligence IOT autodidact learner (electronics, firmware, software, big data, IOT Platforms) (BackSoft, Tektelic, Sigfox, AT&T, etc)	1) First Exper Systemen in Manufacturing reported in México Crysel (CYDSA) 1989 2) Timobile & Assetel are a local well recognized IOT leader At least 20 publications in specialized reviews in the 10 last years and many participations in academic and manufacturing local forums
7	<b>Software Developer</b>	Functional and Logic programming expert	1) First place at national software contest in UBC in two consecutive years Tijuana BC, 1996 y 1997