

Timothy Mickelson

IT Consultant

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Chief Technology Officer / Software Designer / Team leader with many years of experience in the field and with great ability to adapt to new technologies.

PERSONAL DETAILS

Date of birth 13 April 1967
Place of birth Pensacola, Florida, USA
Nationality American and Swedish

LANGUAGE SKILLS

English Mother tongue
Italian Fluent
Swedish Fluent

WORK EXPERIENCE

2013 - Social Bullguard S.r.l.
Chief Technology Officer Responsible of MVC pattern Web 2.0 projects and EJB 3.1 Back-end Enterprise projects

2007 - 2013 I & T Servizi S.r.l. Milano
Software Designer and Team Leader for various web projects with MVC pattern.

2004 - 2007 Algoritmi S.r.l. Milano
Programmer and Software Designer for the development of various projects including applications for Voice over IP (*VoIP*)

1999 - 2004 Easysystem S.r.l. Piacenza - Work location Cologne, Germany
Programmer for the Toyota Formula 1 team. Application development for the system of the parts life of the car - (*lifing system*)

DETAILS OF THE PRINCIPAL WORK EXPERIENCE

Social *Chief Technology Officer* leading a software development team to create projects for
Bullguard social media care. The projects are mainly of MVC nature, the back-end relies heavily
S.r.l. on Hibernate and interacts with other back-end projects using EJB 3.1. The social
care is directed mainly to Facebook and Twitter and is dependent of their API's.

The main tasks consist in

- * Technical decisions
- * Analysis and software design
- * Management of the development team.
- * Customer management for technical problem solving, consulting and analysis
- * Documentation, UML, wiki and other

The main project consisted of

- * Java EE 7 - JPA
- * Java EE 7 - JMS
- * Java EE 7 - EJB 3.1
- * Dynamic HTML using CSS, jQuery and AJAX technologies
- * Front-end JSON or JSP flow
- * JSP Custom Tags
- * jQuery 1.9.1
- * RequireJS 2.1.5
- * Low level Facebook Graph API implementation
- * RestFB 1.6.12
- * Twitter4J 3.0.3
- * MVC Pattern design implemented using Spring Framework 4
- * Security pattern with Spring Security 3.1.4
- * Spring AOP 3.2.2
- * ehcache 2.0.0
- * Apache POI 3.9
- * Hibernate 4.0.1
- * JBoss 7.1.1 and JBoss 6.1.0
- * PostgreSQL 9.1

For project managment

- * GIT distributed version control system
- * Subversion concurrent versioning and revision control system
- * Maven 3
- * Sonatype Nexus Maven repository management system

I & T Servizi S.r.l. Project Leader specializing mainly in medium-sized and enterprise MVC projects. Frontend of the projects are Flex or JSP, back-end uses a Spring like framework and the Database is Oracle 8/9/10. The purpose of the projects are of various nature, health care, prevention and construction types. The development team lead by me consists of 15 people. These people are testers, programmers PL/Sql and Java/ActionScript programmers.

As Team Leader I figured as responsible of technical decisions and interacting with clients for analysis and consulting, among the tasks especially:

- * Analysis and software design
- * Management of the development team.
- * Customer management for technical problem solving, consulting and analysis
- * Documentation, UML, wiki and other

Algoritmi S.r.l. Programmer and Software Designer for applications based on the Asterisk PBX. With this system I have completed several projects of which the most important are:

- Application for call center that handles calls from clients and hands them over to a free operator. The product works with sockets, the server(*daemon*) on Linux platform, passes the calls to the operators (configured with Visual Basic and integrated with FileMaker Pro). The product is completely developed in C++.
- Interface for management of the Asterisk PBX. Written in PHP, Perl and C++.

Easysystem S.r.l. Participated in developing various projects Client Server nature at the Toyota Formula 1 team in Cologne, Germany. The most important project consisted of the *lifing system* of the racing car. The *lifing system* is a system that allows the engineers to monitor the history of the construction of the car in detail and have specific details of every single part of the car.

- Teaching C programming at the *Politecnico di Milano (Technical University of Milan)*.
- Teaching at Visual Basic 6 Programming at the *Politecnico di Milano (Technical University of Milan)*.
- Teaching Linux Administration at the *Politecnico di Milano (Technical University of Milan)*.
- Teaching at *Team Memory S.r.l., Piacenza* in Linux Administration course.
- Teaching at *Apogeo, Pavia* in MySQL administration.
- Teaching at *Apogeo, Pavia* in PHP programming.

EDUCATION

1999 **PhD in Atomic Physics**, *Atomic Physics Department*, Lund Technical University, Lund, Sweden.

1995 – 1998 **Master in theoretical atomic physics**, *Atomic Spectroscopy Department*, University of Lund, Lund, Sweden.

THESIS

Title *Spline-Galerkin Calculations of Rydberg Series*

Supervisor Professor Charlotte Fischer and Tomas Brage

Abstract The thesis is based on calculations of the Rydberg series. The result of the dissertation was a program package written in Fortran. Almost all of the research has been done at the Computer Science Department at Vanderbilt University in Nashville TN (USA).

1992 – 1994 **Studies for the completion of high school**, *Komvux*.

INFORMATION TECHNOLOGY SKILLS

Operating Systems

MicrosoftTM Windows 3.x/95/98/NT/2000/XP/7, SolarisTM Unix, Linux

Programming Languages

Procedural C, Perl, Fortran 77, Fortran 90, Transactional SQL
Object-Oriented C++, Java, PHP 4, PHP 5, C#, Action Script 2, Action Script 3
Visual Visual C++, Visual Basic
Shell-Scripts Bourne, Bash, MS-DOS Bat, VBScript, JavaScript
Build Tools Maven 2, Maven 3, Ant, Make

Working Instruments

IDE MicrosoftTM Visual Studio 6, MicrosoftTM Visual Studio .NET, TrolltechTM Qt Designer, EclipseTM, NetBeans 6.x, PL/Sql Developer 8, Toad, AdobeTM Flex Builder 2/3/4, iReport 3.5, pgAdmin III 1.16.1
Administration Apache, Tomcat, Asterisk PBX, MySQL, CVS, Subversion, SSH Server, Samba, Sonar, ApacheDS, Sonatype Nexus, JBoss 6-7
Office T_EX, L^AT_EX, Microsoft OfficeTM, Vi, Vim, ArgoUML, Planner
Versioning System Subversion, CVS, SERENATM, GIT
Data-Base MySQL 4/5, Oracle 8/9/10, Microsoft SQLServerTM 7.0, Microsoft SQLServerTM 2000, Microsoft SQLServerTM CE, MS Access, PostgreSQL 9.1
Frameworks JDK 1.4/5/6/7, TrolltechTM Qt 3.x, Qt 4x, MicrosoftTM Fondation classes (*MFC*), Spring Framework 3, Apache LDAP API, Hibernate 4

ADDRESSES

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Algoritmi S.r.l.

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Easystem S.r.l.

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