

# CURRICULUM VITAE

## PERSONAL INFORMATION

Name	<b>LAKATOS, NORBERT</b>
Address	<b>BAMBERG GERMANY</b>
Contact Information	<b>Phone: +49 163/97 34 172 E-Mail: Norbert.Lakatos@inssait.com</b>
Date of Birth	<b>18.03.1979.</b>
Family State	<b>Married (1 child)</b>
Citizenship	<b>Croatian / EU</b>



## SKILLS AND COMPETENCES

- 16 years of professional work experience as developer, software architect and project/team lead
- Highly proficient in development using **C** and **C++** - over 12 years of work experience (2 years using **C++11**)
- Knowledge of **C#** (experience with WinForms) – 2 years
- Experience using Visual Studio (6, 2003, 2005, 2008, 2010, 2013 and 2015)
- Extensive debugging experience
- Knowledge of **Boost** libraries, **STL** and **multi-threading** (Posix, Win32 and C++11)
- GUI building experience using **Win32** API, **MFC** (5 years), **Qt** (4 years Qt4 and Qt5), **QML** (1 year) and **wxWidgets** (1 year)
- Knowledge of Java, COBOL, PHP, Clarion and Delphi
- Experience with different operating systems (**UNIX/Linux**, **Windows** – Win32/Win64, **z/OS**, **Win CE**, **QNX**)
- Used different **DBMS** packages: IBM DB2, Oracle, MSSQL, MySQL, Informix and SQLite. Familiar with object oriented database design
- Experience with different development methodologies including **Waterfall**, **Agile** (XP, Scrum and Kanban) and **Unit testing**
- System **design** knowledge, Object oriented design and using **UML** (experience with Sparx Enterprise Architect, Rose and Together)
- Development through Full development lifecycle (**SDLC**)
- Experience with different development tools: source control using SourceSafe, **SVN** and **Git**; tuning using Rational Quantify, Purify and AutomatedQA AQtime; GNU tools (GCC, GDB, GProf); Crystal Report
- Experience with different development techniques and concepts: Network programming (TCP/IP sockets), XML, designing 3-tier systems

## FORMAL EDUCATION

January 2008.	Proanima – C++ Business Programmer
September 1997. – May 2002.	University of Rijeka, College of Civil Engineering
September 1993. – May 1997.	High School of Civil Engineering

## TRAINING

October 2014.	MSCD 70-483 preparation course
December 2013.	Phoenix Academy – Project management training; PMP preparation
January 2012.	MS TS 70-511: .NET Framework 4
January 2012.	Sun WJ-110 – Java programming language
December 2008.	IBM z/OS training (IBM Innovation Center – Dallas)
April 2006.	IBM CT01 course – Database performance with better index design
May 2005.	IBM ES07 & ES27 courses – z/OS JCL and utilities & System Operations
July 2004.	IBM XM30 course – Introduction to XML and related technologies
March 2002.	Unicorn Unified Modeling Language training

## OTHER KNOWLEDGE

Languages	Croatian: native speaker English: fluent German: good command Serbian: fluent Hungarian: good command
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## WORK EXPERIENCE

**July 2017 – Present**

**MAPAL, AALEN, GERMANY**

**C++ Engineer**

- Implementing configurable data import features (C++11, Qt 5.9, Windows, SVN)
- GUI design (QML 5.9)

**September 2016 – July 2017**

**MEELOGIC AG, BERLIN, GERMANY**

**Sr. C++ Engineer**

- Development of component for HAD (Highly Automated Driving) system (C++11, QNX, Linux, Qt 5.6, Git)
- Implementing features, performance analysis, QA, implementing Demo/Test utilities (QML 5.6)

**November 2015 – September 2016**

**BRUNEL GMBH, NÜRNBERG, GERMANY**

**Developer (Automotive division)**

- Maintenance and enhancements of Ford Infotainment system (C++98, Win CE, SVN)
- Problem analysis, support, core dump analysis

**July 2013 – November 2015**

**PHOENIX GROUP IT GMBH, FÜRTH, GERMANY**

**SW architect (Innovation & Architecture group)**

- Code reviews / design reviews
- Application and database design
- Working on introduction of requirement engineering and app. lifecycle management
- Researching alternative company processes (ETL, printing, document conversion, business intelligence)
- Creating development internal productivity tools
- Project management
- Development of internal applications (C++11, Qt 4.8 and 5.1, Windows, AIX, SVN)

**November 2009 – July 2013**

**INSSAIT, RIJEKA, CROATIA**

**SW architect & developer**

- Development of MasterCard IPM utilities (C++, Qt 5.1)
- Outsourcing in various fields (CAD software, system application development, automation SW) - mainly in C/C++ and C#
- Designing and developing a server monitoring system using C++, STL and Boost (Linux and Windows). This is a service/daemon collecting server parameters using log files, SNMP, WMI or SQL. The processing is a multi-thread. Development based on Extreme Programming, and Unit testing.
- Responsible for maintaining and developing new features for a HP plot files editor/viewer. The application is developed in C++ and MFC.
- Designing, coordinating project for steel production automation. The project is designed around .NET 3.5 and C#; and 3-tier architecture. GUI developed in WinForms, communication using .NET remoting, and NHibernate for DB persistence.
- Other smaller projects (maintaining housing maintenance system, iOS development)

**November 2002 – November 2009**

**SOFISTIKA, RIJEKA, CROATIA**

**SW developer (C/C++), Project manager**

- Development of credit card management system for German processing centers
- Responsible for managing team (5 persons), maintaining and enhancing clearing system developed in C++, COBOL on z/OS using DB2, CICS and MQ.
- Development of a set of base API used by the system
- Assisted in the development of a communication system over MQ. The system is developer in C++ as a multi-threaded system and implemented a load balancing between threads to minimize response time.
- Working on design and implementation of a reporting system. It's a Linux based component in C++ that produces reports in PDF.
- Participated in development of a statistical system with C++ and MFC on Windows, and STL on Linux, and PHP, using MS SQL.

**April 2001 – November 2002**

**AMDO SOFT SYSTEMS, KASTAV, CROATIA**

**System programmer**

- Developing UNIX backup system using C for different UNIX variants (Linux, AIX, VMS, Reliant, IRIS, HP-UX).
- Developing a diagnostic system used in automotive industry by major manufacturers. It's a Windows based system developed in C++, MFC and using Lex and Yacc tools.
- Developing a set of common API in C++ to mimic MFC on Linux.

**December 1997 – April 1998**

**METROPOLIS, OPATIJA , CROATIA**

**HW technician (part time)**

- Assembling computer configurations
- Repairing computers,
- Advising customers about their HW/SW requirements