

## Formal education:

- Master of Computer Science (2009-2011), university FESB, with excellent grades, top 5% students
- Bachelor of Computer Science (appendix) (2008-2009), university FESB, with excellent grades, top %5
- Computer Science (2002-2005) university FESB (University of Split, Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture), with excellent grades, first and best student in class
- Secondary school of Economics in Splitu graduated and passed with very good grades
- Primary school attended at O.Š. Pojišan with excellent grades

## Courses:

### 1. Professional

- a. Apache Maven (Zoraja Consulting doo, 1 day, 2011)
- b. Scrum (SIEMENS, 2 dana, 2010)
- c. Requirements engineering (SIEMENS, 2 days, 2010)
- d. Design patterns (Zoraja Consulting doo, 4.10.2007 – 9.10.2007)
- e. UNIX programing (Zoraja Consulting doo, 4.12.2006 – 9.12.2006)
- f. Design and publishing web pages with FrontPage 2003 (CARNet, 2 day, 2005)
- g. Dynamic web programing with script language PHP (CARNet, 2 day, 2004)
- h. Design and publishing web pages with FrontPage (CARNet, 2 day, 2004)
- i. Basics of UNIX-a (CARNet, 1 day, 2003)

### 2. Personal development

- a. Effective communication 1 (Neuron, 2 days, 2009)
- b. Effective communication 2 (Neuron, 2 days, 2008)
- c. Negotiating skills (Neuron, 2 days, 2006)
- d. Communication skills (Neuron, 2 days, 2006)
- e. Training the Trainers (CARNet, 5 days, 2004)

## Work experience:

1. AIDA Cruises (<https://www.aida.de/>)

### Electrician Officer Entertainment April 2015 – today

Responsible for maintenance of 10 million euros of entertainment equipment (sound, light, theatre, broadcasting). Use Python for problems that can be solved with software.

2. Independent Software Developer

### Independent Software Developer July 2014 – today

Doing projects in Objective-C & Swift (iOS), Python, Wordpress.

Done Bhima (<http://bhima.weborcode.com>) Secure Save Framework for iOS that provide protection against File Substitution Hacks for game currency

Technology: iOS, Swift, Objective-C, iPhone, iPad, Python, OpenCV, Wordpress

3. SIEMENS d.d. ([www.siemens.hr](http://www.siemens.hr)), department PSE, Croatia, from July 2005 year. In 2012 year became Siemens Convergence Creators d.o.o. (<http://www.convergence-creators.siemens.com>), in following roles:

### Test Automation Developer April 2012 – June 2014 (2 year 3 months)

Developing end-to-end test automation solution for GSM-R and TETRA dispatcher.

Implementing continuous integration (Jenkins).

Recruiting new developers (interviewing, testing)

Technology: Linux, C, C++, Python, Robot Framework, Jenkins, TETRA, GSM-R, TTCN-3

**Senior Software Developer**          June 2011 – March 2012 (10 months)

Solaris System Administrator

Implementing graphical (chart) reporting tool for network monitoring system.

Technology: BIRT, Java, Eclipse, Perl, Python

**Multimedia Consultant**                  April 2011 – May 2011 (2 months)

Guiding external customer in implementation of MJPEG2000 decoder and streaming server.

**Multimedia Software Developer**    April 2010 – March 2011 (1 year)

Implementing cross-platform software solution for decoding of Yahoo! Messenger and MSN Messenger audio/video data.

Technology: Windows, Linux, C, C++, POSIX, gcc, gdb, batch windows scripting, Python, FFmpeg, iLBC, iSAC, LSVX, RTAudio, RTVideo, RTP, RTCP, RTSP, Wireshark

**Maintenance Software Developer**    January 2010 – March 2011 (1 year 3 months)

Maintenance of LCG and LCA software.

**Lead Software Developer**              January 2007 – December 2008 (2 years)

Implementing new functionality in LCG.

Extending LCG to implement Flexi ISN datatype, product known as LCA (Local CDR Adapter).

Implementing various ASN, ISN, CSG encoders and decoders.

**Software Developer**                      July 2005 – December 2006 (1 year 6 months)

Adding new functionality to LCG (Local Charging Gateway), LCG is mediation software in GSM network used for preprocessing CDR (Call Detail Record) for billing.

Developing STL (Smart Ticket Layout) software. STL generated DSL (Domain Specific Language) for LCG according to input datatype, output datatype and rule file. Datatypes where in ASN.1 notation.

Technology: Solaris, C, C++, POSIX, shell scripting, ASN.1, GSM, GGSN, SGSN, FTP, GTP, SSH, near real time processing

4. Demonstrator in Edulab, CARNet in Split ([www.edupoint.hr](http://www.edupoint.hr)), the first 6 months 2005 year, the job was training users and users support.
5. As professor of informatics in summer school of foreign languages EuroClub ([www.euroklub.hr](http://www.euroklub.hr)) – summer of 2004 year, 6 weeks, the job included all day care for 20 children and teaching about making internet (web) pages.

## Languages:

Actively use English (use it in everyday work, both written and verbal, started learning it when I was 8 years old)

Passively German (I was learning it 5 years)

Passively Italian (I was learning it for 2 years)

## The skills:

**I can offer: organization skills, ability for quick learning, adapting to new situations, strong analytical skills, team work, knowledge, communication and negotiating skills.**

## Technology knowledge:

### 1. Web

- XHTML, CSS
- XML, XSL
- PHP (Zend Framework)

- JavaScript (jQuery, Mocokit, ExtJS)
- AJAX, JSON, JSONP, SOAP, WSDL

I know how to use picture processing programs (GIMP, PhotoShop, ...) and Flash (FireWorks, SWIS, ...).

I have done several web pages. Same static (XHTML, CSS), but also and dynamic (XHTML, CSS, PHP, JavaScript (jQuery), AJAX, JSONP)

## 2. Databases

I know how to project and design **relations database systems**, and I had practice with following DBMS:

- Access
- MySQL & phpMyAdmin
- MSSQL
- SQLite

## 3. Programming languages

Work experience ( in years)	Knowledge Level		
	Beginner	Intermediate	Advance
0 – 2	Ruby PERL TCL/TK Microsoft API & C/C++ Swift	Asebler (8086 procesor, PIC) Visual Basic 6, BASIC Lua, Lisp Android	
3 – 5		Java JavaScript (jQuery, Mocokit, ExtJS)	PHP MicroBASIC, MicroBASIC PRO
5 – 10		Shell Scripte (Ksh, Bash, Sh...) PHP (Zend Framework)	C, C++, Objective-C Python

I know objective orientated programming, design and design patterns in OOP.

## 4. Operating systems

- WINDOWS (95, 98, 2000, ME, XP, Vista, Windows 7)
- Solaris ( 8, 9, 10 )
- LINUX (Ubuntu, Debina, RHEL, CentOS, openSUSE, SUSE, SLAX, Knoppix...)
- Mac OS (from 10.6)

## 5. Networks

I also understand concept of networks and have experience with design, implementing and maintaining networks and network protocols.

### Contact:

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