

Who is Saša Buklijaš ?

Have 15+ years of professional software developer experience, with degree as Master of Computer Science. Primary worked as software developer, but had experience also as: administrator, QA, recruiting, management. Worked with many programming languages, with different programming styles (OOP design patterns, procedural, functional), 2 primaries are Python and C/C++, and more increasingly with RUST. Programmed and used many OS: Windows, OSX, Linux, iOS, Android, Solaris, Understand and uses web technologies (frontend and backend), databases (SQL and NoSQL), networking (as user and developer). In last years, vast experience in developing high frequency arbitrage strategies on crypto exchanges.

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

Work experience:

1. ChainCode Labs, Bitcoin Protocol Development April 2023 – June 2023
2. AIDA Cruises (<https://www.aida.de/>) April 2015 – March 2023

In both roles in AIDA Cruises Python was used for problems that can be solved with software. Some honourable mentions are, monitoring of 2000 TV for preventive maintenance (1000 hours of work saved), controlling NEC displays (<https://www.twilio.com/blog/2018/02/control-nec-display-array-python.html>), RS232 sniffing with Python (<http://buklijas.info/blog/2018/04/15/rs232-sniffing-python/>).

Communication IT Officer May 2019 – March 2023
Responsible for maintenance of 100 million euros of bridge equipment, PA/GA, fire detection, CCTV, Walkie talkie system, VSAT internet and IT infrastructure.

Electrician Officer Entertainment April 2015 – April 2019
Responsible for maintenance of 10 million euros of entertainment equipment (sound, light, theatre, broadcasting).

3. **Co-Founder/CTO Treta.io** April 2019 – November 2021

High frequency trading Triangular arbitrage (three-point arbitrage) on largest crypto CEX exchange. Multithreads, concurrency highly optimized, capable of 100 trades per second (was able more, but already this was more than it was allowed with CEX), around 5K LOC, 2 years of active development. There was also POC of grid trading strategy and index fund.
Technology: REST, WebSockets, Python, Pandas (data analysis), influxDB

4. **Independent Software Developer** July 2014 – April 2015

Projects in Objective-C & Swift (iOS), Python, Wordpress.
Bhima was 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

5. SIEMENS d.d. (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

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.

Languages:

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

Passively German (Was learning it 5 years)

Passively Italian (Was learning it for 2 years)

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. 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)

Avid learner, I would say that I spend too much time always learning new concepts and technologies, via book/audiobooks and video lessons.

Contact:

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