

Andrey Slavchev Kotlarski

Curriculum Vitae

PERSONAL DATA

born Vidin, Bulgaria, December 1983
current address Sofia, Bulgaria
phone +359 885 123 585
e-mail m00naticus@gmail.com
website m00natic.github.io

WORK EXPERIENCE

IV.2020-I.2024 **Smule Inc**, Sofia

*Principal
software
engineer*

Building multi-platform, multi-language audio/video library. Dealing with audio issues on Android. Technologies and programming languages involved: C++ · Python · Bash scripting · Kotlin · Java

VIII.2017–
III.2020 **Pros Inc**, Sofia

(I.2019) *Principal
software
engineer*
*Senior
programmer*

Building airline merchandising platform back-end. Performance, memory, algorithmic and logic optimizations. Controlling and optimizing large data storage and access layers. Creating highly optimized internal query engine with web interface. Technologies and programming languages involved: C++ · Common Lisp · Emacs Lisp · Bash scripting
STL · **Boost** · JSON · XML
Tokyo Cabinet · MongoDB · MySQL

III.2011–
VII.2017 **Vayant Travel Technologies**, Sofia

(VI.2013) *Senior
programmer*
Programmer

Programming high-performance search engine framework for exploring cheapest and most convenient fare tariffs and flight combinations. Performance, memory and logic optimizations. Controlling large data storage and access layers. Large code refactoring and generation automation. Technologies and programming languages involved: C++ · Common Lisp · Emacs Lisp · Bash scripting · Python
STL · **Boost** · JSON · XML
Tokyo Cabinet · MongoDB · HyperDex · MySQL

IV.2006–I.2009 **Ibis Business Solutions**, Sofia

(VI.2008) *Senior
programmer*
Programmer

Programming toolchain for quickly building sophisticated ERP systems. Technologies and programming languages involved: ASP.NET · Visual Basic 6.0 · .NET Framework · ADO.NET · IIS
Sybase · Microsoft SQL Server · HTML · CSS
C# · Visual Basic · Transact-SQL · JavaScript · VBScript

E D U C A T I O N

	X.2007– <i>unfinished</i>	<i>“St.Kliment Ohridski”</i> University, Sofia
<i>University</i>	Master of Artificial Intelligence	
	X.2002–IX.2006	<i>“St.Kliment Ohridski”</i> University, Sofia
	Bachelor of Informatics	
	IX.1997–VI.2002	PMG <i>“Ekzarh Antim I”</i> , Vidin
<i>High school</i>	Math profile 3 rd place at XXI Winter Mathematics Festivals, Pleven 2002 Special prize at Romanian National Mathematics Contest <i>“Gheorghe Țițeica”</i> , Călimănești-Căciulata 2000 3 rd place at III International Youth Chess Tournament, Sofia 1999	
	IX.1990–VI.1997	SOU <i>“Hristo Botev”</i> , Vidin
<i>Primary education</i>	English profile	

F R E E / L I B R E / O P E N S O U R C E S O F T W A R E P R O J E C T S

	I.2013– <i>now</i>	VLF
<i>Author and maintainer</i>	GNU Emacs extension which allows seamless operation over multiple huge files at once	
	IX.2018– <i>now</i>	FDBQ
<i>Author and maintainer</i>	Fast and extensible SQL-like query engine over fixed-field-length DBs	
	V.2014– <i>now</i>	eww-lnum
<i>Author and maintainer</i>	Extension to the Emacs browser eww that adds <i>conkeror</i> like functionality	
	2009–2011	neuroGrape
<i>Author</i>	Modification of the Grapefruit chess engine which uses feedforward backpropagation neural network as evaluation function and learning while playing; tools to train and evaluate such networks offline	
	2009–2010	clips-chess
<i>Author</i>	CLIPS expert system for playing king+rook vs king chess endgame	

P R O G R A M M I N G L A N G U A G E S

<i>Most comfortable</i>	Common Lisp · Emacs Lisp · C++
<i>Also worked with</i>	C# · Visual Basic · Transact-SQL · JavaScript · VBScript Python · Java · Kotlin · Bash scripting CLIPS · Clojure · L ^A T _E X · Prolog · BASIC · R
<i>Read a book or two about</i>	Scheme · Oz · Shen · Haskell · Mercury · Logo

PROGRAMMING TOOLS

<i>Operating systems</i>	GNU/Linux (preferred) · Microsoft Windows · macOS · Android
<i>IDEs, editors, debuggers</i>	GNU Emacs · GNU Debugger · Valgrind · Strace Android Studio · PyCharm · Arduino IDE · Qt Creator Microsoft Visual Studio 6.0/2003/2005 · Protégé
<i>Databases alike</i>	Sybase · Microsoft SQL Server · MySQL Tokyo Cabinet · MongoDB · HyperDex
<i>Version control</i>	Git · Apache Subversion · Visual SourceSafe

ADDITIONAL INFORMATION

<i>Languages</i>	BULGARIAN · Mother tongue ENGLISH · Fluent RUSSIAN · Basic
<i>Driving license</i>	Yes
<i>Interests</i>	Artificial Consciousness · Metaprogramming · Emacs Arduino · Computer Chess · Origami

January 31, 2024