Curriculum Vitae

Personal information

Full name: Boro Sitnikovski
Birth date and living place: 08.09.1988. Skopje, North Macedonia
Occupation: Software Engineer
Contact telephone: +389 (0) 77 551 - 658
Marital status: Married, 2 children

E-mail: buritomath@gmail.com
Languages: English and Macedonian
Favorite programming languages: Haskell, Idris, C, Scheme, JavaScript
Mathematical interests: Algebra, Calculus, Lambda Calculus, Discrete Math, Set and Type theory

Education/awards

Diplomas and contributions: List of projects and contributions can be found at http://bor0.wordpress.com/projects/. Scanned versions of my diplomas can be found at http://bor0.wordpress.com/about/diplomas/.
University: B.Eng. in Informatics, Faculty of Information and Communication Technologies, FON University, Skopje (2015)
High school: D.S.U. "Kocho Racin" – gymnasium (direction natural Mathematics), Skopje (2007)

Something about myself

I have been working with computers since I was 3 years old. I am mostly self-taught, driven by curiosity to understand things at their core, thus the interest in Mathematics.

I have a very good understanding of the Windows OS and low-level API functions. I started reverse engineering Microsoft Windows applications when I was 14. I manage a GNU/Linux (Debian) machine which acts as a server (web, PHP+SQL/samba/ftp/router/…) where most of my work is tested. My father and I used to manage a FreeBSD server which acted as a router in our Internet Café for 11 years.

I have been a contestant at many programming competitions in Macedonia. I also possess good mathematical skills and good understanding of most algorithms. I am a quick learner especially in the programming languages field. I learn new codes and adapt very fast.

Besides only being good with computers, I'm also a good team player with good communication skills. To sum it up I consider myself a good listener, observer, and learner.

I contribute to a lot of open source projects. That is because I am a strong believer in open source. I am happy to do this, knowing that the code I write runs on millions of machines and has a positive impact. I also learn a lot on the way doing this.

I have written the following seminar papers for university: "Web application for online trading", "Methodologies for testing software products", "Video Editing in Adobe Premiere", "Introduction to Wolfram Mathematica". My bachelor thesis was titled "Programming in Haskell using algebraic data structures".

Some of my other tutorials published on the internet can be found on the following famous pages: reversing.be, crackmes.de, woodmann.com, softpedia.com, codebreakers-journal.com, packetstormsecurity.org, download.com.

In 2018 I published my first book "Gentle Introduction to Dependent Types with Idris" (ISBN: 1723139416).

Working Experience

***Automattic* as Code Wrangler** (01.01.2017 – Present) | Skopje, MK

* Improvements and bug fixes for WooCommerce and extensions.
  Technologies: PHP, Git, Vim, Xdebug, SQL.
  JavaScript: npm, Webpack, React+Redux, jQuery, Grunt/Gulp, Jasmine tests.

***SugarCRM* as Software Engineer Consultant** (29.06.2012 – 31.12.2016) | Skopje, MK

* Improvements and bug fixes for all editions of SugarCRM since 6.5, both back-end and front-end platforms.
  Technologies: PHP, Git, Vim, Xdebug, SQL, MVC, PHPUnit, CrowdIn integration (migration scripts from legacy translation service).
  JavaScript: npm, jQuery, Grunt/Gulp, Webpack, Service Workers, Backbone, Underscore, Handlebars, Store/Stash, Jasmine tests.

***MediaLab* as Senior Software Engineer** (01.11.2013 – 31.12.2014) | Skopje, MK

* Development of utility to search frames within videos, along with API in NodeJS. Development of remote video player based on JSON-RPC and FFplay. Development of BMS Web API in Python that communicates through RS232. Development of SMS interconnection REST API in Python that combines REST/SOAP/SMPP from telecom providers and wraps them.
  Technologies: C/C++, NodeJS+CoffeeScript, FFmpeg/C (libav*), OpenCV/C, Git, Tornado/Py, Pyserial/Py, Redis.

***NOVP* as Senior Software Engineer** (10.12.2012 – 18.10.2013) | Skopje, MK

* Development of NPAPI Browser Plugin based on FFmpeg for Technicolor.
  Technologies: Qt (Mac/Windows), C/C++, Firebreath, WiX, MongoDB+GridFS, NodeJS+CoffeeScript, NodeJS C++ extensions, Mac dmg/pkg packaging, FFmpeg/C (libav*), libvlc, libfuse, libtorrent, libcurl, Git.

***Ein-Sof* as Software Engineer** (22.02.2010 – 07.12.2012) | Skopje, MK

* Software design, development, documentation, and evaluation for various projects.
  Technologies: Java (JSP), PHP, ASP.NET (C# and VB), C#, C/C++, MSSQL, MySQL, SQLiTE, Oracle, CakePHP, Qt, custom-made frameworks (CMS and DMS), .NET (LINQ/WPF/WCF/WinForms/GDI), Axis2/C, JNI/C, AJAX, libcurl, libxml2.