

Curriculum Vitae

PERSONAL INFORMATION

First name: Vladimir

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CONTACT DETAILS

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EDUCATION

DETU "Mihajlo Pupin" - Skopje

2002-2006

Department : Automation and Computer Technology

Faculty of Electrical Engineering and Information Technologies Ss. Cyril and Methodius University, Skopje, Macedonia

2006-2012

B.Sc., Computer Science and Engineering

Faculty of Computer Science and Engineering Ss. Cyril and Methodius University, Skopje, Macedonia

2012-2014 (expected)

M.Sc., Software Engineering

CERTIFICATES

- **Certificate of basic skills in Information Technology**
- **Certificate of participation in the contest "Best poster at school" organized by USAID**
- **Certificate of participation in the contest "Best poster of youth organization" organized by USAID**
- **Certificate of participation in the contest "Best poster of a real company" organized by USAID**
- **Certificate of Attendance at two-month educational seminar on web development with PHP and MySQL in the Center for Open and Distance Education at FEIT - Skopje**
- **Certificate of Attendance "MAYA 3D animation course" with a total fund of 72 hours**
- **Certificate of Completion "Designing Security for Microsoft Networks"**

PROFESSIONAL EXPERIENCE

- **Certificate for successfully completed VI (sixth) intense degree in English language at "Center for Foreign Languages"**

September 2008 – January 2011

Development and maintenance web pages: <http://univerzalna.com.mk/> , <http://mof.org.mk/> .

For these web pages I implemented news ticker, photo gallery, video gallery, events, 360 view of the hall, multi-language support, and social integration. All of these features are written in PHP and managed from the admin panel. The administrator does not need to know any programming such as html, css, javascript, etc. to manage the contents.

(Universal Hall is the oldest and one of the most popular concert halls in Macedonia, MOF is a nongovernmental organization)

The pages are made with [VAdmin Panel](#) .

September 2008 – Present

Development and maintenance web page: <http://komiti.org/> .

For this site I implemented news management, reports for the past matches, photo and video gallery, newsletter, fancy jQuery countdown for upcoming games. Also I implemented and maintained forum with additional plugins which has around 13.000 members. The first forum was made with PHPBB free software. The next version was made with Xenforo. The database migration from the first software to the next was successful, without losing any data, members or posts.

(Komiti is fan group of the most popular football club in Macedonia – Vardar).

The page is made with [Vadmin Panel](#) .

November 2008 – August 2009

Writer and researcher for TV series ‘Cyberspace’ in the IT field in Alsat TV house.

January 2010 – February 2012

Freelancer in the Web development field . Developed various websites.

March 2012 – Present

Web developer at Cosmic Development

PROJECTS

NDA protected

Working on an affiliate system (February 2012 – present) . The main feature of this system is a scalability . It has more than 100 000 database records (users) per day. Because of a huge number of the records in the system it is necessary to be included methods for caching and archiving . The system is composed of 9 servers : 2 load balancers , 4 nodes (2 for each load balancer), 2 database servers (1 for the live data and 1 for archiving) and 1 sync. server (for the nodes synchronizing). The system has administration panel with detailed statistics for the users.

Technologies used : PHP, Smarty template engine, MySQL, Shell Scripting (rsync, cron jobs) , Google Chart Tools .

NDA protected

Web services for iPhone communication with an existing website. Uploading photos and videos, payment gateway through Authorize.Net.

Technologies used: Joomla Web services (xmlrpc), Authorize.Net API

NDA protected

Web services and web template builder for project that allows smartphone users to take branded and template photos right from their smartphones. With this application , all attendees at an event or location (night club, soccer game, wedding, restaurant, Eiffel Tower) can now take relevant branded/template photos.

Technologies used : PHP, MySQL, RESTful Web Services, JQuery, AJAX

NDA protected

Webservices for iPhone application that provides a venue for sports bettors and sports enthusiasts to view live game scores and betting information before, during and after games are concluded. It provides live score updates along with the most current line information. The games updates are gotten by the SportsOptions service through sockets.

Technologies used : PHP,TCP Sockets, MySQL

NDA Protected

This project includes blog from scratch and Wordpress importer. With this importer every Wordpress blog can be imported into this blog with the all data (posts, comments, tags , etc..). The articles are shown with the popular jQuery script - [Isotope](#)

Technologies used : PHP, MySQL, JQuery, AJAX

VAdmin Panel

Administration panel that can be used on larger sites. It can be used as CMS (Content Management System) which offers the authors to prepare and publish information online, without need to prepare HTML code. The panel is made only with PHP, without using any frameworks such as Codeigniter, Zend etc. It is written in PHP 5 and it is object oriented. If the end user had any experience with popular CMS like Joomla or Wordpress, VAdmin will be easy to get used to. VAdmin is developed in PHP & MySQL.

Skopje Taximeter

Android [application](#) which displays the current price in real time while you are driving in taxi. After the appearance of the application, it was preinstalled on all Android mobile devices sold by VIP Operator.

[Skopje taximeter in the media.](#)

MKD Denar

Android [application](#) which displays evolution chart for the 10 most commonly used foreign currencies in Macedonia. There are lots of features like: Exchange rates based on daily currency rates, exchange rates history available since 2007, offline working mode, converter from "Denar" to 10 another currencies. After the appearance of the application, it was preinstalled on all Android mobile devices sold by VIP Operator.

Technologies used : Android , PHP, RESTful Web Services

MKD Denar J2ME Version

Application that contains the most important features of the Android version.

Technologies used : Java 2 Platform, Micro Edition

2Player Macedonian Quiz

This Android [application](#) is a game - quiz. For more fun, the quiz is made for two players. The players are getting the same question and they are competing for fastest clicking on one of the offered choices.

Multi-language Android applications

Research for development of multilingual applications in Android. Besides supported localization of the operating system, it covers and so called "Force

localization", which is used for localizations which are not supported by a number of manufacturers of mobile devices.

ESP Game

Application which is developed in ASP.NET using Ajax controls for synchronization. Two people were simultaneously got a word, with no way to communicate, other than knowing the matching (translate) label for each word. The most popular example of this kind of game is Google Image Labeler.

Gmail LED Notifier

Hardware solution to notify unread Gmail mails. Device is connect to PC via parallel port and contains seven LEDs. Beside the hardware construction, I wrote software (Driver) which is connected with Gmail account . When new mail arrives, device signals with one of diodes. Depend on the number of unread mails , illuminate appropriate number of diodes (maximum 7).

[Image of the device](#) .

Bluetooth driven mobile robot

This project is car (toy) driven by Android mobile device. This project includes two parts: hardware and Android application. The hardware is a car that is composed of: two motors, Arduino shield, H-bridge chip and Bluetooth receiver. The mobile application communicates with the Arduino shield through the Bluetooth protocol.

[Video of the project](#).

COMPUTER SKILLS

Web programming & design: PHP 4 & 5, JavaScript + JQuery framework, AJAX, (X)HTML, CSS, Adobe/Macromedia Dreamweaver MX, 8.0 & CS3, Adobe Flash MX, 8.0 & CS3

Other Programming Languages: Android (Java), J2ME, C/C++, C#, Shell, Wiring

Integrated development environments: NetBeans , Eclipse, Arduino IDE, Microsoft Visual Studio

Databases: MySQL

Modeling: UML

Frameworks: CodeIgniter PHP framework

Template engines: Smarty (PHP)

Versioning software: TortoiseSVN

Content Management Systems (CMS): WordPress, Joomla

Operating Systems: Linux Ubuntu , Linux CentOS (managing virtual hosts, setting Apache server , etc..) , Windows

Languages: English, advanced

Driving license: B class

OTHER SKILLS