Information Technology professional capable of building and managing complex projects from concept to completion. Proactive practitioner with an excellent eye for detail able noticing and addressing potential obstacles and problems on the way. Very motivated, responsible and dedicated to work. Always trying to save time and money for the company by looking at the large picture from early phases of every project. Ready to share knowledge and learn. Experienced Project Leader managing several projects in programming carrier spanning over 10 years. Team player, fluent in several languages, good communication skills.

# Technologies

**PHP, Python, C#, Java, C/C++** (>8 years), **MySQL, SQL Server, Oracle** (>9 years) , **TD Development** (Unit Test, PHPUnit, Behat, Watchr, >5 years), **Linux/Windows** administration and development (>7 years), **JQuery/JavaScript** development (>7 years), **Medical Data Research and Analysis** (>4 years), **PHP Frameworks** (Zend Framework, CakePHP, CodeIgniter, Symfony) (>7 years), **Python Frameworks** (Django) (>2 years), **Drupal/WP Development** (>6 years), **Web Development** (>9 years), **Social APIs** (>5 years), **Signal Processing and Research** (Matlab, C/C++, C#) (>7 yrs), **Embedded Development** in Java, C++ (>4 years), **Metadata exchange** (>6 years), **Code Versioning** (>9 yrs), **Ticket Tracking** (JIRA, Mantis, BitBucket..), **Team leading** (>4 years)

# Experience

***Web Developer*** 03/2014 –

**Princeton University** ([www.princeton.edu](http://www.princeton.edu/) ), New Jersey, NJ   
Technology: PHP, Ruby, Python (Drupal development, MySQL, Deployment), Linux bash programming, Git, Vagrant, Puppet, Grunt, Docker, Acquia and Pantheon Cloud deployment and development , BitBucket ticket tracking/code versioning; Time tracking

**Developing Drupal CMS web applications** for the Princeton University stack of sites; **PHP** programming: **Multisite** Drupal deployment; Programming deployment scripts using **Puppet** and **Vagrant**; Cloud based deployment and testing on Heroku; **Behat** testing; **Unit Testing**; programming **Acquia and Pantheon Cloud deployment** and development; Managing modules in multisite Drupal and WordPress; **LDAP** PHP authentication and SSO; **Linux server** administration and setup; **Data backup and migration** between heterogeneous systems; **Time tracking**, project estimation; Work with **Vendors**

***Senior Application Developer*** 12/2013 – 03/2014

**Martha Stewart Living Omnimedia** ([www.marthastewart.com](http://www.marthastewart.com/) ), New York, NY   
Technology: PHP (Drupal CMS development, MySQL, caching), Linux bash programming, Git, Redis cache, CDN

**Developing Drupal CMS web applications** for the Martha Stewart Living Omnimedia stack of sites; Drupal / WordPress programming: Work on system import modules, UUID modules, Gallery modules; Linux bash programming – triggering cron jobs on server events; MySQL programming; PHP cache programming; **Work on Digital Assets** of the company; Data search using **Solr** and **Node.js**; SEO techniques implementation; Social sharing; **WordPress** to Drupal integration; **Work with vendors** on large projects; **AWS**

***Senior Backend Developer*** 10/2012 – 12/2013

**GREY Group** ([www.grey.com](http://www.grey.com/) ), New York, NY   
Technology: C# (MVC4, LINQ) , Java (Web EE), PHP (CakePHP, CodeIgniter, Zend Framework, Social APIs), NodeJS; Jira

**Developing major web applications**/websites for the Grey advertising agency for several clients including Radioshack, Lilly, EPC, Boehringer Ingelheim, GCG Legal; **Work on Digital Assets and Content Management Systems** of the company; **Development of database models with full implementation** in PHP or C# for several multi-lingual high-traffic websites; Data-intensive apps for the retail market (including item inventory in CodeIgniter); **Multi-lingual multi-site development** in C# with custom built tracking and routing in **XML**; **Extensive Twitter and Facebook API** usage in both **PHP** and **C#**; Custom CMS development in Zend Framework and **C#** MVC4; Data search system development in **Solr** and **Lucene**; Custom site scrapping; **Intensive SQL programming** (triggers, SQL procedures); Mission-critical development with several backup procedures; **Location-based search** using Channel Intelligence and Google APIs; Company site rebuilt ( [www.grey.com](http://www.grey.com/) ) using Zend Framework and Pimcore CMS; Custom CMS-based tracking and data analytics solution for media companies; **Java EE** development; **Jira** ticket tracking; **Responsive and mobile** –oriented web development

***Consultant, Team Leader*** 12/2011 – 12/2012

***EDC Medical Research software system***

**NiAnalytics**, Zurich, Switzerland  
Technology: Oracle, C#, Java, Jquery

Creation of the Project Business Model, creation of the Database Model; Definition of the Business Scenarios for the Medical Research; Defined tasks and sections of the project; Led brainstorming team members; **Assigned tasks** to team members on weekly basis; Reported on the progress of the project to the higher managers; Led presentations and presented progress of the project every two weeks; Creation of the Database and Application Model (database modeling, UML); **Implementation of Medical Standards: DiCOM, CDASH, SDTM, ADaM**; Work on **Format validation and inter-format exchange** for Medical Standards; One of the biggest challenges was to create modular system which allows drag-and-drop creation of new tables through web GUI, and keeping the full relational database model in place – this was done by combination of the **XML, JSON**, and database relations; Creation of the **Oracle** Database according to Database Model; Export / import of data according to different medical standards; Development of the prototype system in **C#** / Jquery / Access, around the database model; Working on **Medical Trial applications**, understanding of the Medical Trial terminology and Data Research.

***Information System Developer*** 03/2007 – 07/2012

**ICT College**, Belgrade, Serbia

Technology: PHP, Java, MySQL, Zend Framework, Smarty Templates, Jquery, Moodle, HTML, CSS, Linux administration

Developing Information System of the ICT College ([www.ict.edu.rs](http://www.ict.edu.rs/), [upis.ict.edu.rs](file:///\\DEDWMENA\Volume_1\_DOCUMENTS\_CV%20and%20RESUMES\NikolaReljin\_programming\upis.ict.edu.rs), [kursevi.ict.edu.rs](file:///\\DEDWMENA\Volume_1\_DOCUMENTS\_CV%20and%20RESUMES\NikolaReljin\_programming\kursevi.ict.edu.rs)) – integration of Drupal, Moodle, Google Apps and custom-made sections into **SSO solution**, using **Zend Framework**; Implementation of the new website of the College (intensive **Drupal development**) (www.ict.edu.rs, upis.ict.edu.rs, kursevi.ict.edu.rs ). Developing **modules for Drupal** CMS – Drupal 6 and 7 for integration of Student information; **WordPress to Drupal** integration; **Workload** system, and College electronic publishing; Work on Eucalyptus Cloud system; **Installation and administration of Linux servers** (Red Hat, Ubuntu); Developing sections of the system in **Python** (used for Google APIs)

***Programmer, Team Leader*** 09/2009 – 04/2010

**Rider University,** Lawrenceville, NJ, USA

Technology: PHP, MySQL, JQuery, Zend Framework, Perl

Development of Workload System for the Rider University ([workload.rider.edu](file:///\\DEDWMENA\Volume_1\_DOCUMENTS\_CV%20and%20RESUMES\NikolaReljin\_programming\workload.rider.edu)), used to allocate classes and courses; Setting input and control of data in the Workload System. Worked as a team leader, and leading programmer: leading group of 3 people - defined sections of the project, established SVN code versioning; assigned tasks to the developers on daily basis; led brainstorming sessions on daily basis; integrated the code from 3 developers and implemented the system; helped the developers on problematic issues during development;

Creation of the **Database and Application Model** for the allocation of classes and offices at the University – work with end customers on gathering and modeling data. Creation of the database in **MySQL**; Creation of the GUI, with extensive use of Jquery and caching of data with **Zend Framework**; Adding capability to **import and export data to/from Excel** file formats by using PHPExcel; Implementation of **LDAP** and **IMAP** authentication of users, with **Zend Authentication**; Custom made **Reports and Statistics** – implementation of **Cube and Rollup** via MySQL and PHP; Internal notification and messaging in Zend Framework Mail. Wrote the complete Project Documentation.

***Programmer, Image Analysis*** 04/2008 – 04/2009

**TeleSkin LTD** (teleskin.org), USA / Serbia

Development of the **C#** based Image Processing System used for **Melanoma detection**; Conversion of **Matlab** algorithms for **DSP into C#** methods; Development of module-based **Image Processing** in C#, capable of running as a web service as well as a desktop-based program. For the speedup of the system, used **OpenCV** as a **C++** module. Implementation of several Morphology algorithms that were used in Threading, in order to speed up the processing. Conversion of some of the work into **Java**-based solution.

***Environment***: .NET 2/3.5, C#, Java

# Education

***Ph.D. Student***  
University of Belgrade, Faculty of Electrical Engineering (Elektrotehnicki Fakultet), Beograd, 2008 -   
Field: Telecommunications

***Electrical Engineer M.Sc***  
College of Electrical Engineering (Elektrotehnicki Fakultet), Belgrade, Serbia 2006

Field: Electrical Engineer, Telecommunications, development in multimedia, object recognition (images and sound). Audio technology.  
Programming (C/C++, C#, PHP, Java, SQL, Pascal, ASEMBLER).

***Pianist***  
Music High School "Stankovic", Music School "Vladimir Djordjevic", Belgrade, Serbia

# Skills & Certificates

**Flash Action Script**, certificate, Belgrade, 2010  
**Oracle Academy certificate** for teachers, Vienna, Austria  
**CCNA course**, CISCO CCNA (2005 - 2006), Belgrade, Serbia  
**Sachtler certified technician**, Sachtler course for the maintenance of camera accessories and lighting equipment, Munich, Germany

# Memberships

**IEEE** (Computer Society, Engineering in Medicine and Biology Society)

**ETRAN** (Society of Electrical, Telecommunication, Robotics, Automation and Nuclear Scientists, Serbia)

# List of References

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