

CURRICULUM VITAE

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WORK EXPERIENCE

June 2022 – Present

Application Architect, Founder

Despot Studio

- a) Created an NFC tag based online mechanics' website for mechanics to plan and store their repair works. By VIN (automobile industry standard), the cars are selected and work is done on them. FE and BE done in Laravel 11 (Blade template for FE). The app is initiated by scanning the NFC tag on an NFC-enabled device. Implemented processes for read/write/encrypt/decrypt the tag's data, from where the process begins. <https://www.servisnaistorija.com/>
- b) Created e-commerce website <https://www.3drprinthead.com> for selling online 3D printed keychains and toys. Done in Wordpress using WooCommerce plugin.
- c) GOS (Game Of Skate) – implemented the iPhone app in Swift. App serves to connect Fingerboard players for the purpose of skateboarding competitions and tournaments. Exploited many of Apple's libraries, patterns and protocols, including both SwiftUI and UIKit. Used Twilio to implement Chat and Video conference functionality, by using websockets to propagate signals between multiple iPhones. Integrated Twilio Video SDK for video streaming. Implemented Twilio Conversations (but done previously as Programmable Chat) for chat system between the users, with full range of features (whatsapp-like: "read", "delivered" status, "is typing...") and messages real time chat. FE in Swift, BE is Laravel, MySQL as the DB.
- d) EVAHUB – solar energy analytics platform, implemented together with colleague from Germany. This is a platform that serves to facilitate reporting systems for solar energy installations. Angular as FE, and Flask (Python 3) as BE. Security layers, and integration with MySQL database data. <https://evahub.org.wordpress.com/>

May 2019 – June 2022

Software Architect

FINCONS s.p.a

- a) For UN (United Nations), for UNHCR as the end client, I improved an Angular application for medical data for physicians all over the world (primarily in Africa). Fixed and improved many legacy code features, and implemented new features, e.g. registration page and consultations page. Implemented RXJS and NGRX paradigms and patterns like Factory, Facade, etc. Link for the application: <https://his.unhcr.org/>
- b) In JRC Ispra (Italy), worked on an Angular app "SETA" for semantic text analysis and searching of EULEX articles and similar papers and text contents. Implemented necessary security from scratch, in Flask (Python), and Angular, using JWT tokens. Implemented the security according to the official EU Login protocol, in Python. Implemented RSA keys security layer create/update/save/load/sign/verify and their saving to MongoDB.
- c) In JRC, participated on a large scale PHP website for analysis of trades data between EU (members and candidates) countries. Implemented many visualisations for the existing data, in timescale, and adjustable other values.
- d) In JRC, did a complete load/save/calculation/visualisation website in PHP, Angular, and MySQL from scratch for custom EU data analysis, and many kinds of statistical methods and calculi, together in a team of researchers and statisticians.

July 2018 – May 2019

Senior Frontend Developer

PIKSEL inc.

- a) In JRC Ispra in Italy, on site, did angular FE development of a website Dynamic Data Hub for European Commission. Working on the GIS application with statistical information on (human) migrations of various sorts (immigration, emigration, dislocation etc.) and forms. Angular development with CSS. I did a complete revamp of design and look & feel of the website for all the buttons sliders, and many forms for graphical representation of data. <https://migration-demography-tools.jrc.ec.europa.eu/data-hub/>
- b) Wordpress development of a web site for users of big data within the Commission: <https://bluehub.jrc.ec.europa.eu/bigdata4migration/> Technologies used: Chart.js, PrimeNG, PrimeFaces, Angular 5, Fedora Linux, Wordpress.

September 2017 – July 2018
Fullstack web developer
Despot Studio PR, Loznica, Serbia

- a) As a solo entrepreneur I went into subcontracting projects with various companies in Belgrade and abroad (primarily with CP Development d.o.o. Belgrade). Working on Magento 1 and Magento 2 projects, I developed and customized many Magento extensions, frontend and backend. Some of these projects are: <http://www.ghurka.com> and Darnik.
- b) I created an Angular 4 app in conjunction with Slim PHP backend named gigpay.ch as part of the <https://www.stagend.com/> platform. Platform serves for finding and payment to various performers.

October 2016 – July 2017
Magento 1&2, Angular 1&2, Wordpress developer
ThinkOpen S.r.l. Garlasco, Italy

- a) Novathon (Wordpress) – <https://www.novathon.net>, as a consultant in BancaIntesa, Milano, I developed the infrastructure base for the bank sponsored hackathon, including email newslettering, and team management.
- b) Vittoria (Magento 2) – <https://www.vittoria.com>, I converted the Magento 1 site to Magento 2, using scripts for transformation of data and modules, and then developed custom invoices and shipments modules.
- c) Unipol – from scratch, implemented internal monitoring system for the insurance company, in Angular 2+ and Node.js. Integrated the project with FE and web services (Node.js) with the rest of the team.
- d) P.A.R.O.S.H. (Magento 1) – <http://www.parosh.com>, solved important growth problems when the company expanded on several warehouses. Analysed the situation on the client's premises and implemented and integrated multiwarehouse system into the existing one – FE and BE management (products, stocks, prices, orders, warehouses).

October 2014 – October 2016
PHP Developer, iOS developer
PCMACIT LLC d.o.o. Novi Sad, Serbia

- a) Patrick Heide Contemporary Art, London, UK – <http://patrickheide.com> PHP Developer for the web site. From existing static site, I made an exact replica in form of a Wordpress website, with custom Theming, and backend/frontend mechanisms so client can easily manage the paintings, artists, fairs, events and exhibitions.
- b) Indie development - iOS Developer development of iPhone game "Dealer". Game is still in progress.
- c) Developed a hotel rooms reservations system, for a large hotels chain (cca. 300 hotels). Implemented it full stack, from scratch, using Wordpress and various Wordpress plugins (customizing existing and creating new ones). In consultation with project manager I created the business logic. After that, on my own, I designed the UI and search algorithms (using Elasticsearch and other techniques), did DB maintenance, REST services, payments (Braintree), SMS (Nexmo) and Emailing systems (SendGrid). Deploying the PMS on Windows and various Linux versions. After that I integrated the system with a larger system of hotel reservations.

May 2014 – Oct 2014
Indie Developer
Self employed

- a) Worked as an e-commerce developer. Worked in Magento for 1 to 2 months on the website <http://www.skinnlaaven.com>. Implemented custom importing and exporting solutions of orders and products.
- b) Designed, developed and published my own Flash (AS 3.0) game "Port navigator" on facebook - <https://apps.facebook.com/portnavigator>. Game is approved on facebook and has around 10.000 players playing it. Game has PHP middle tier, and MySQL custom game database. I used cloud computing for each layer.

Apr 2011 – May 2014

QA engineer, PHP developer

Old Country d.o.o. Belgrade, Serbia

- a) Quality Assurance for <http://www.solesociety.com> and <http://www.hautelook.com> e-commerce web sites. Manual and automated testing using Saucelabs framework. Developed automated Selenium 1&2 battery of tests, and automatic reporting mechanism in PHP. Technologies used: SVN, GIT, Scrum, KANBAN, Agile, PHP, Selenium, PHPUnit, MySQL Databases, SOLR.
- b) PHP development in Moodle framework. Worked on web site for online education courses administration. Developed custom admin reports, enrolling and payment/billing mechanisms, relying on Moodle.

Apr 2010 – Apr 2011

Web developer

Part-time employment, Belgrade, Serbia

Developed web site for social networking – <http://www.meinfreundfuerdich.com> . Development from scratch of PHP and HTML, CSS, javascript FE and BE and MySQL Databases

Technologies: GIT, Javascript, jQuery, PHP, CSS, Eclipse PDT, MySQL Workbench..

Apr 2009 – Apr 2010

Testing engineer

DIV Engineering, Belgrade, Serbia

Analysis and testing of Telekom Srbija company's business processes. Testing of TIBCO processes for company's processes of payment, billing and prepaid/postpaid mobile phone contracts.

Technologies: Java, TIBCO, Oracle Databases (PL/SQL)

Mar 2008 – Dec 2008

Flash developer

GTech - FinSoft, Belgrade, Serbia

Flash design, Action Script 2/3 development of online computer games, mostly gamble games, like slot machines and card games. Developed and integrated with Java services of around dozen games. Some of the games became very popular (Baltimore Drop).

Technologies: SVN, Action script 2.0 / 3.0, Macromedia Flash, Eclipse, Oracle databases.

Feb 2008 – Aug 2008

Web developer

Statistical Office of the Republic of Serbia, Belgrade, Serbia

Maintenance of the official web site of the Office – <http://www.stat.gov.rs> . Database and PHP website development, resolving of various specific problems of organizing the data.

Technologies: Macromedia Dreamweaver, eclipse PDT, MSSQL Server Databases.

EDUCATION AND TRAINING

1 Sep 2001–1 Sep 2007

Bachelor of information systems

School of Organizational Sciences, University of Belgrade,

Department of Information systems and technologies. This was at the time of my study a 4-year University.

LANGUAGES

Serbian: native

English: excellent, TOEFL CBT, score 96/120 (expired in 2015) from the first try

Italian: excellent

French: advanced

German: basic

Portuguese: basic

Hungarian: basic