

ZINAID KAPIĆ

Software Engineer



Kapići 103, Cazin, Bosnia and Herzegovina
+387 62 149 588 zinaid_kapic@hotmail.com

Description

Experienced and energetic Software Engineer with 5+ years of experience in PHP/Laravel. Worked as the main developer for the integration of Booking.com API and Channel Manager development. Obtained MSc degree in the field of Computer Science and developed versatile knowledge in many scientific fields (Software Development, Data Science, Data Analysis).

Main Skills

- Full Stack development
- PHP/Laravel
- SQL/Database Management
- Critical Thinking
- Data Science
- Communication Skills

Work Experience

2016 - 2020
Hastor Foundation

7. 2017 - 10. 2017
IDK Studio

2017 - 2019
WWTravel GmbH

2019 - 2021
Jobstep GmbH

Volunteer

- mentor to primary and secondary school students
- lecturer of socially and educationally useful topics
- assistant in school obligations of students

Web Developer - Internship

- developing websites
- developing web applications

Software Developer

- Development and maintenance of CRM for tourism management (call center management, reservation retrieval from famous world booking companies (Booking.com, Expedia, Airbnb), etc.)
- Development and maintenance of software tools for the financial management of the company
- Statistics and financial prediction web application
- HR management software
- Working with several financial and social media APIs - Booking.com APIs, SixPayment API, Google Maps API, Viber API, ...)
- I have automated the whole process in the company and saved time, human, and money resources

Software Developer

- Development and maintenance of CRM for an employment agency that sends workers from BiH, Croatia, and Serbia to Germany
- Development and maintenance of websites and mobile applications for process automation
- Working with several financial and bot APIs.

Work Experience

2019 - Today
WWTravel GmbH

Lead Developer

- Became a Lead Developer in the same company. I was a lead developer in a team of six developers.
- Planned and architected REST API for our services.
- Maintained and developed system parts for process automation.

2020 - Today
University of Bihać

Teaching assistant

- Teaching assistant in the scientific fields:
 - Information technologies and information systems
 - Computer Science
- Developed and maintained a system for conference management (IOP Web Science, Scopus indexed conference RIM2021 - Laravel Application)
- Worked with Python, R, Matlab, and Wolfram Mathematica as a data analyst. Used these tools to predict and analyze data. Worked on many IoT projects

Education

2019 - 2021
University of Bihać

Master of Electrical Engineering - Computer Science

10.00/10.00 GPA

Dynamic models for solving rotation averaging and rotation interpolation problems

2015 - 2019
University of Bihać

Bachelor of Electrical Engineering - Computer Science

Implementation of the genetic algorithm in a mobile application for solving a traveling salesman problem

Digital Skills

PHP, MVC, OOP, Laravel, HTML, CSS & Bootstrap, Tailwind, JavaScript, SQL, R (Data Analysis), Python (Django, pandas, sklearn, ...), Git, Docker, Agile Development, Scrum Methodology, Basic Linux, Elementary Spark(sparklyr), Database Management, LaTeX

Communication Skills

Interpersonal and good communications skills, Team Spirit, Teaching and presentation abilities

Honours and awards

Student of the generation - Undergraduate BA
Student of the generation - Postgraduate MA

LinkedIn

<https://www.linkedin.com/in/zinaid-kapi%C4%87-736aaa1b2/>

Published papers

<https://www.researchgate.net/profile/Zinaid-Kapic>

GitHub

<https://github.com/zinaid>

PORTFOLIO

Sports and betting system (2018)

PHP Information System that integrates betting and sports APIs

NOGOMETNA LIGA

» Dobrodošli na nogometnu ligu

12:24
18.12.2018
Bihac 22 °C

Datum

NATJECANJE	VRIJEME	DOMAĆI	GOSTI
Bundesliga	18:30 - 18.12.2018	Borussia Mönchengladbach	- 1. FC Nürnberg
Ligue 1	19:30 - 18.12.2018	SM Caen	- Toulouse FC
Bundesliga	20:30 - 18.12.2018	Hertha BSC	- FC Augsburg
Bundesliga	20:30 - 18.12.2018	TSV Fortuna 95 Düsseldorf	- BV Borussia 09 Dortmund
Bundesliga	20:30 - 18.12.2018	VfL Wolfsburg	- VfB Stuttgart
Serie A	20:30 - 18.12.2018	Bologna FC 1909	- AC Milan

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NOGOMETNA LIGA

Utakmice Lige Premium račun Chat

Edit Profile

COMPANY (DISABLED)
Zinaid i Enes

USERNAME
zinaid

EMAIL ADDRESS
Email

FIRST NAME
Zinaid

LAST NAME
Kapic

ADDRESS
Cazin, Kapici 103

CITY
Cazin

COUNTRY
BIH

POSTAL CODE
77226

ABOUT ME
My name is Zinaid. I am a software developer. I love football.

Update Profile

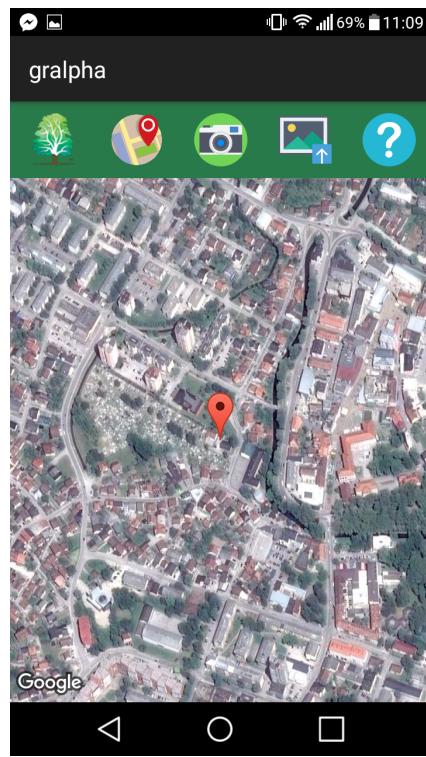
Zinaid Developer
Chelsea fan.
1996-10-07

+ Kreiraj listicu

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Garbage System (2017-2018)

PHP Information System for cleaning companies.
Xamarin App for garbage report.



Dispatch System (2018)

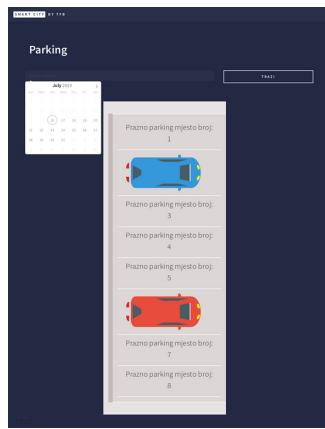
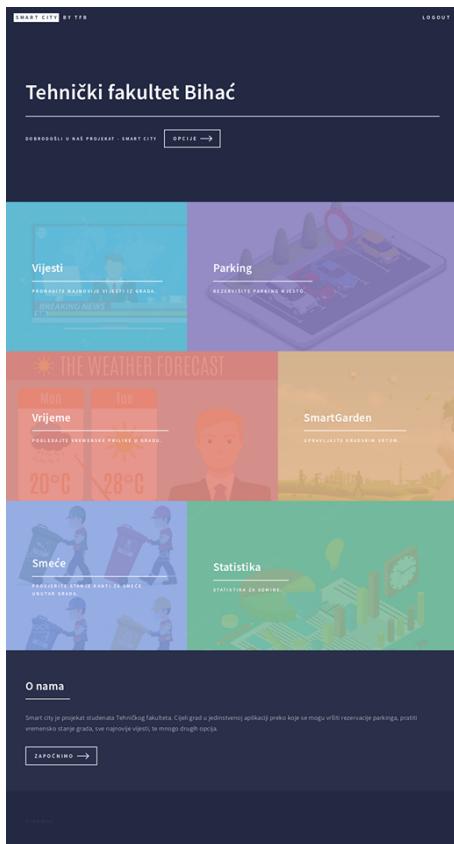
Laravel OODB and MVC project



Smart City (2018-2019)

Web IoT application for hardware and software integration. Smart City control and monitoring project with PHP Web application and subparts:

Parking system, Irrigation system, Weather monitoring system, Digital information system, Smart Garden, Garbage Disposal, ThingSpeak, Matlab

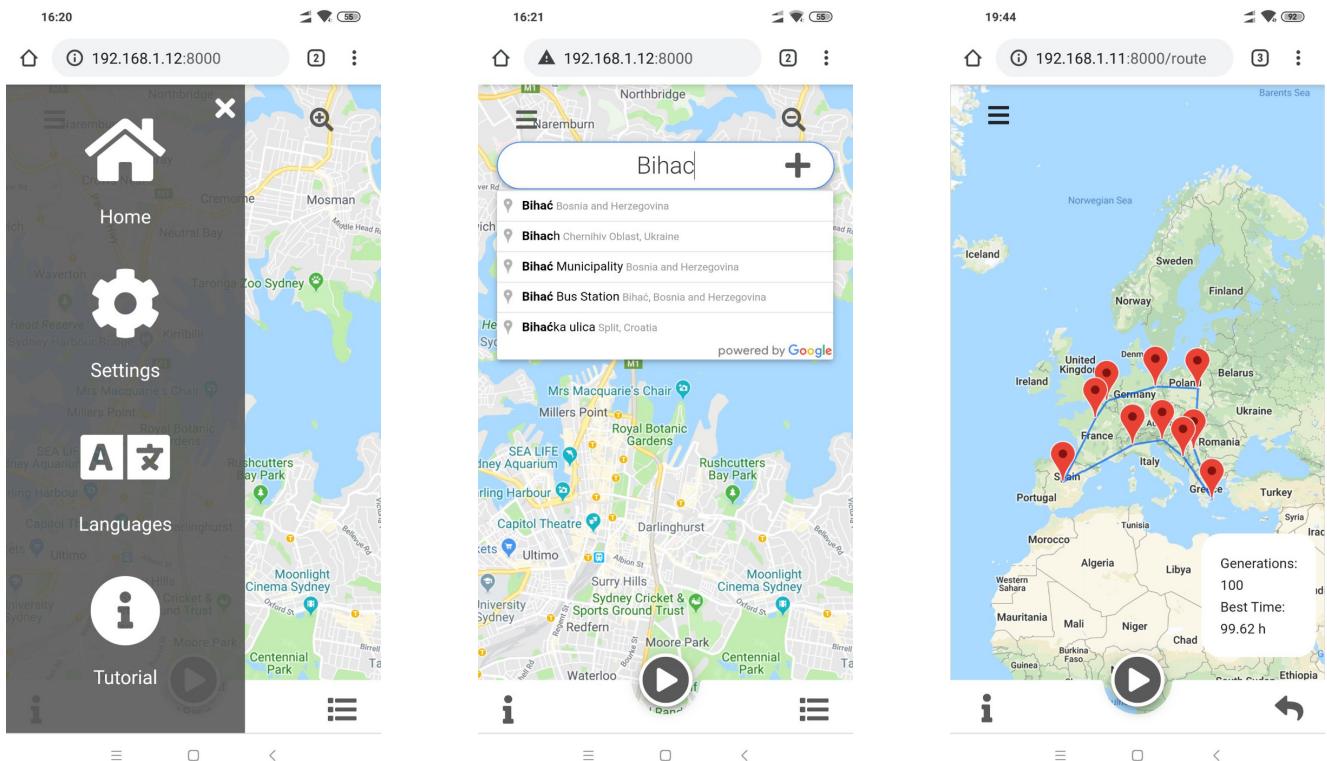


TSP Tourist (2019)

Application for solving Traveling Salesman Problem using Genetic Algorithm. Laravel application that integrates Google Maps API and solves Traveling Salesman Problem.

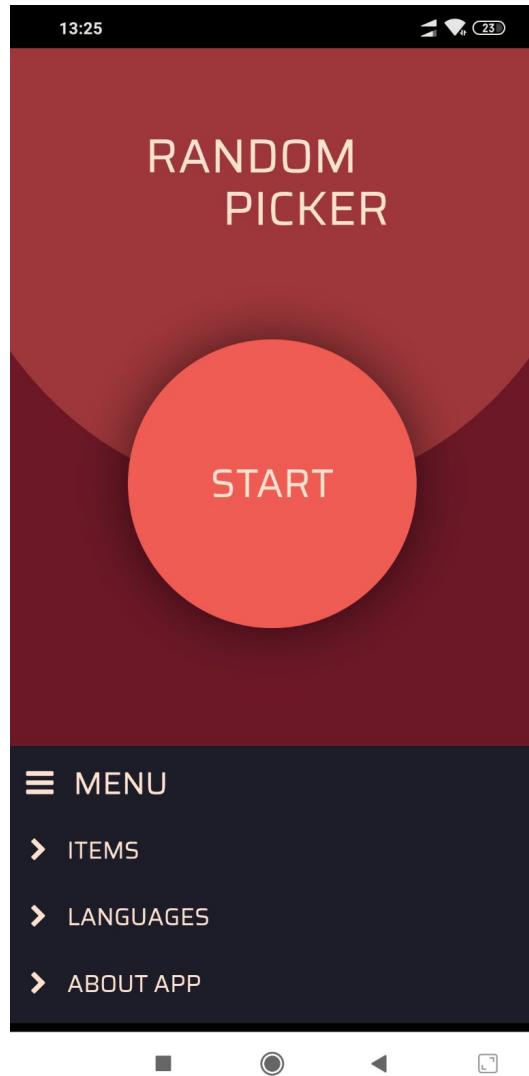
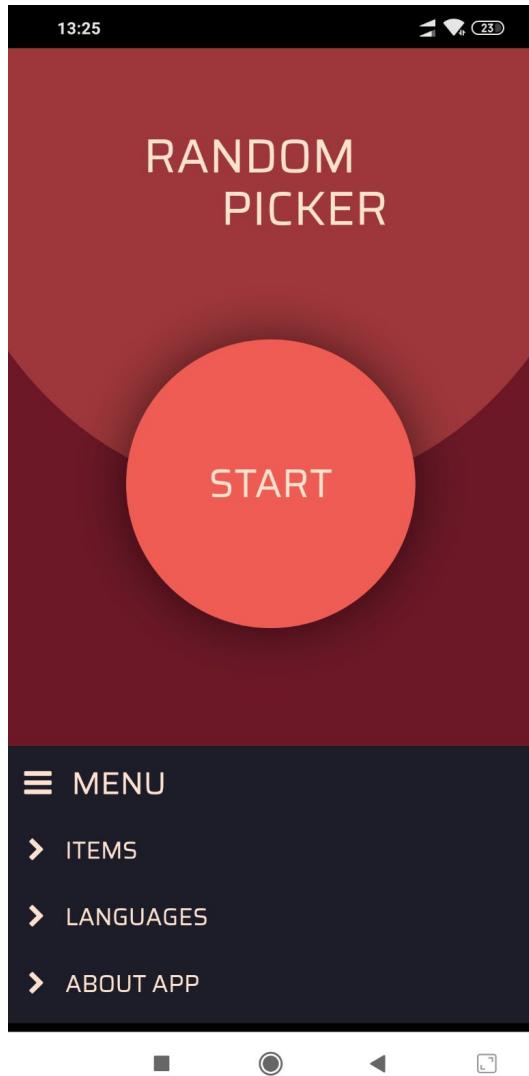
Published:

<https://infoteh.etf.ues.rs/bornik/2020/radovi/STS/STS-1.pdf>



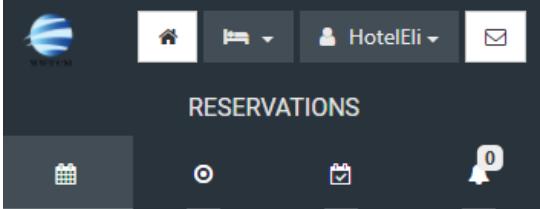
Random Picker (2017)

iOS and Android application built with PhoneGap

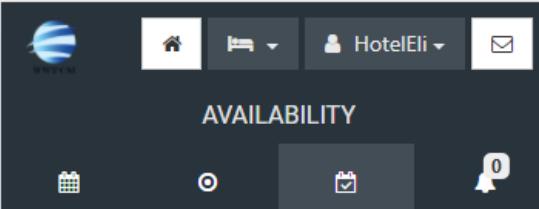


Channel Manager (2017 - Today)

Channel Manager (PHP WebView) that integrates Booking.com, Expedia, etc. into a unique application for accommodation management. PHP WebView application.



The Reservations dashboard shows a header with the WWT logo, navigation icons for Home, Bed/Breakfast, User (HotelEli), and Mail. Below the header, the word "RESERVATIONS" is displayed. A central calendar for August 2020 shows days from Monday, 27 to Sunday, 2. Specific dates like August 12th are highlighted in yellow. A large orange button at the bottom states "No reservations on this day".



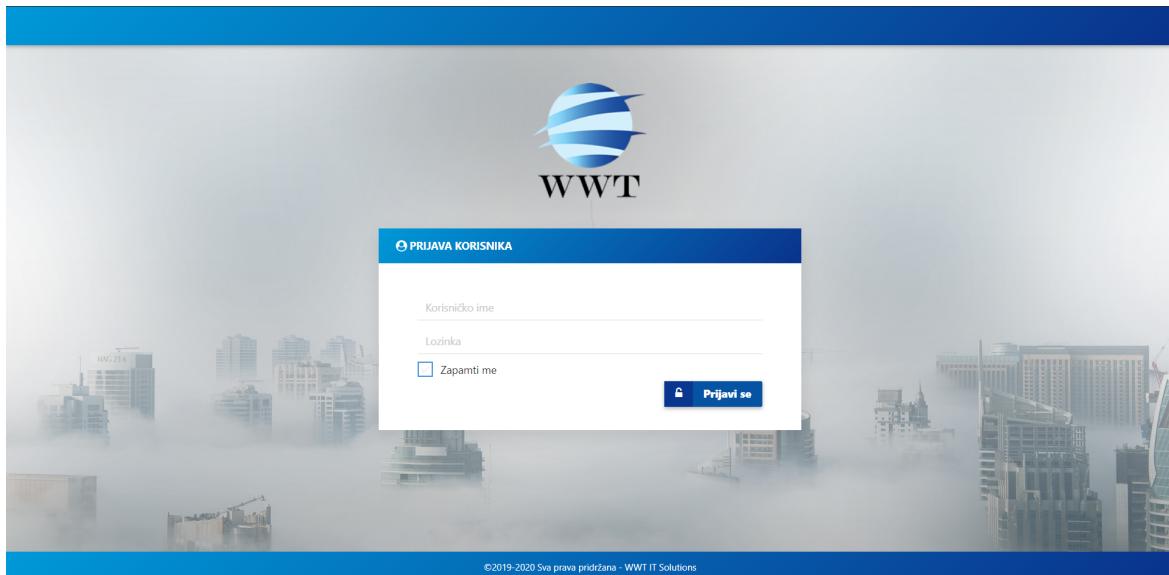
The Availability dashboard shows a header with the WWT logo, navigation icons for Home, Bed/Breakfast, User (HotelEli), and Mail. Below the header, the word "AVAILABILITY" is displayed. A central calendar for August 2020 shows days from Monday, 27 to Sunday, 2. Specific dates like August 12th are highlighted in dark grey. A legend below the calendar indicates that dark grey represents "Standard Single Room" and yellow represents "RESERVED 0 - BLOCKED -5".

WWT CM - All rights reserved | 2017 - 2020 | [Privacy Policy](#)

Availability 5

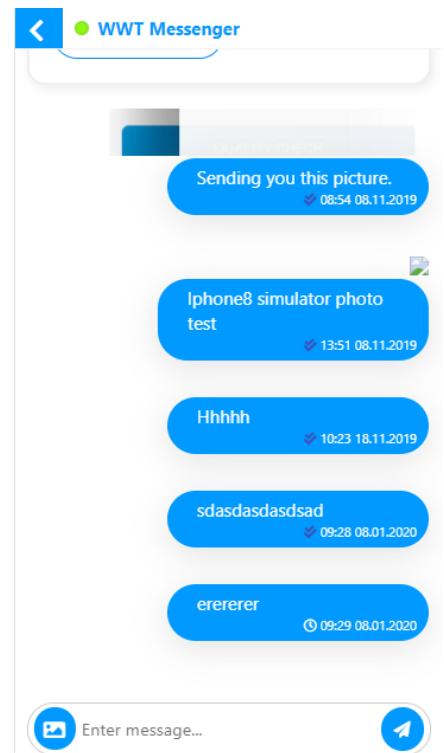
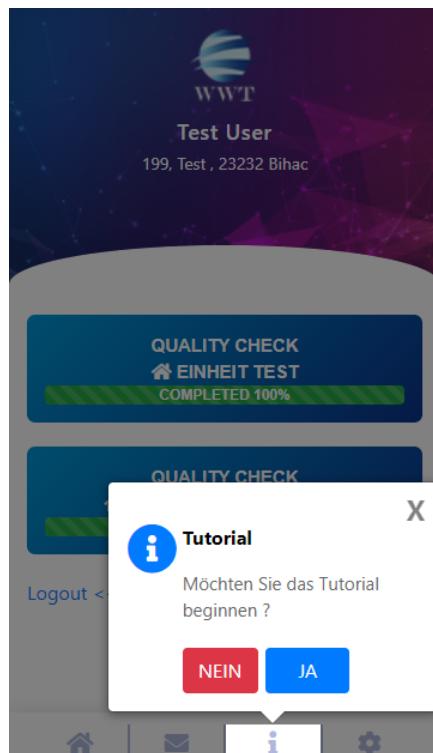
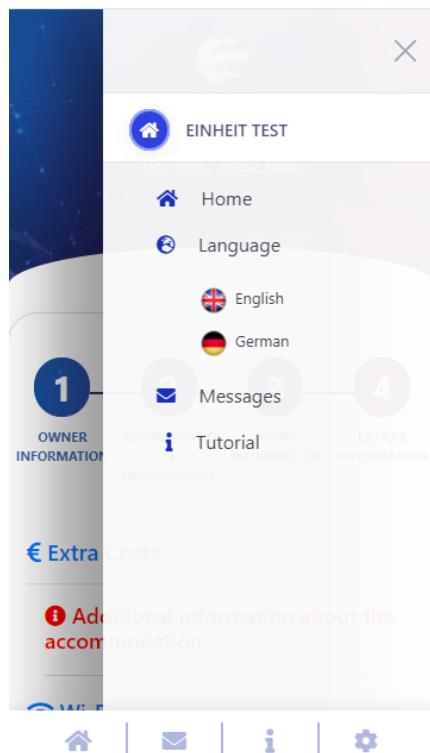
TRAVEL AGENCY CRM (2018 - Today)

CRM (PHP Application) for the entire travel agency business (employee management, money flow, invoice generation, accommodation management, reservation management, etc.)



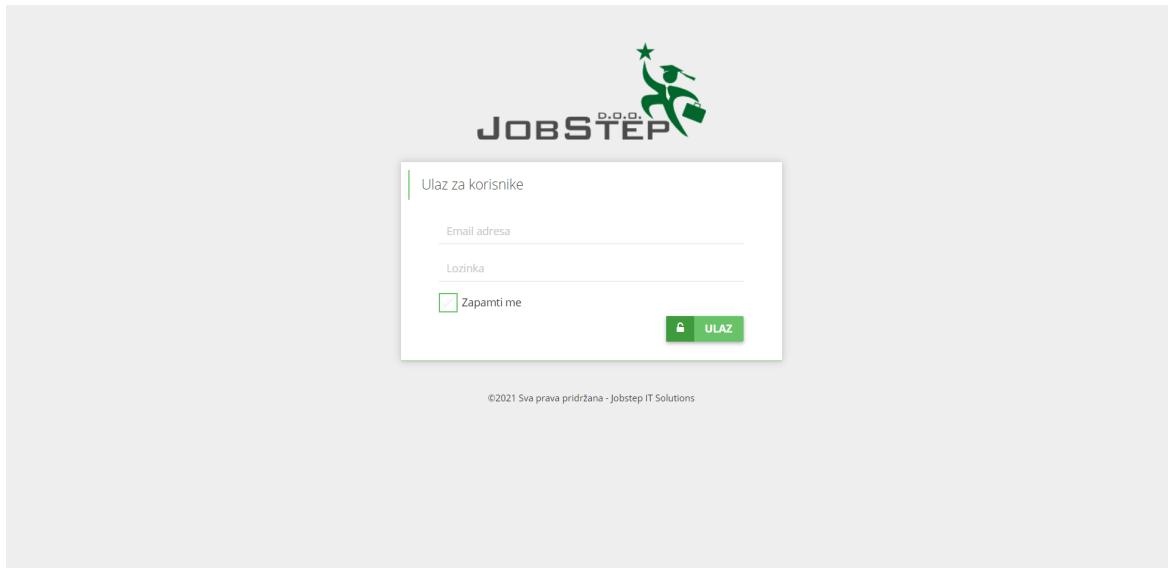
WWT MESSENGER AND QC BOT (2019 - Today)

Laravel messenger and quality control software.



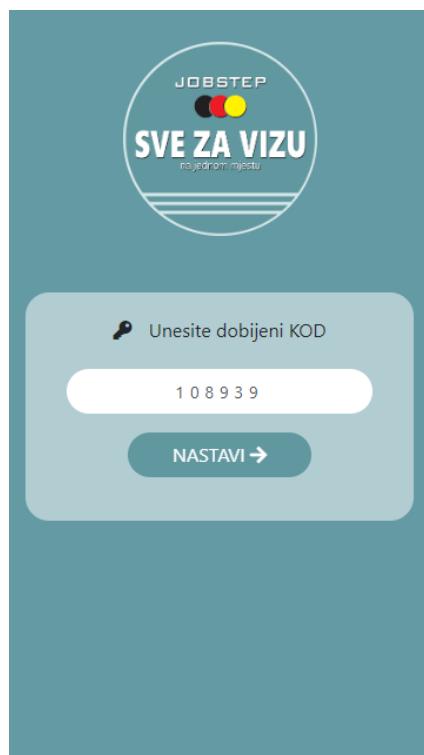
CRM FOR EMPLOYMENT AGENCY (2019)

Complete CRM (PHP Application) for employment agency (including employee management, client management, company management, entire finance control, and multiple other modules).

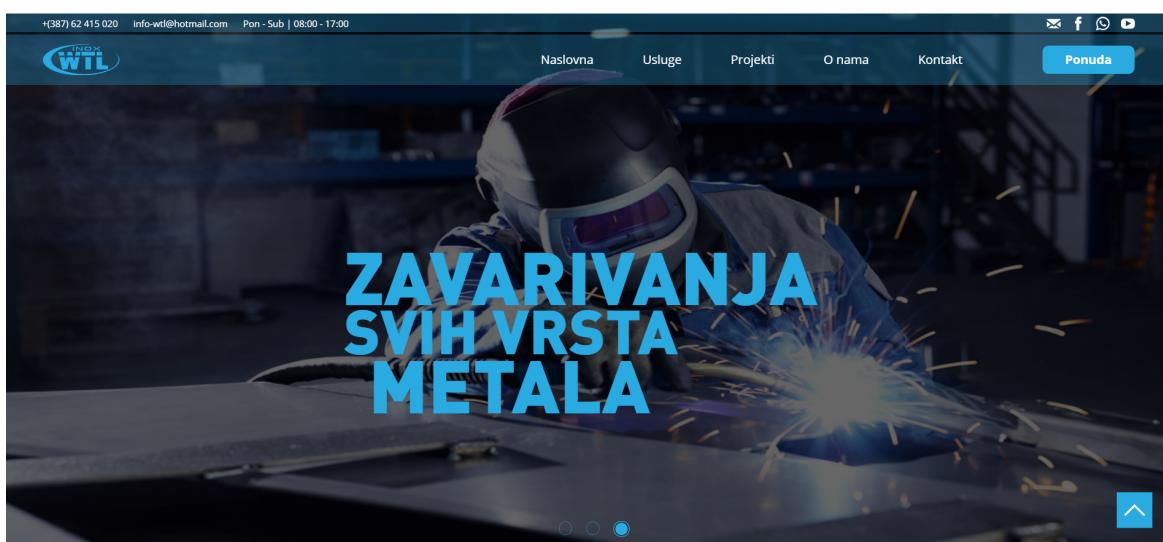
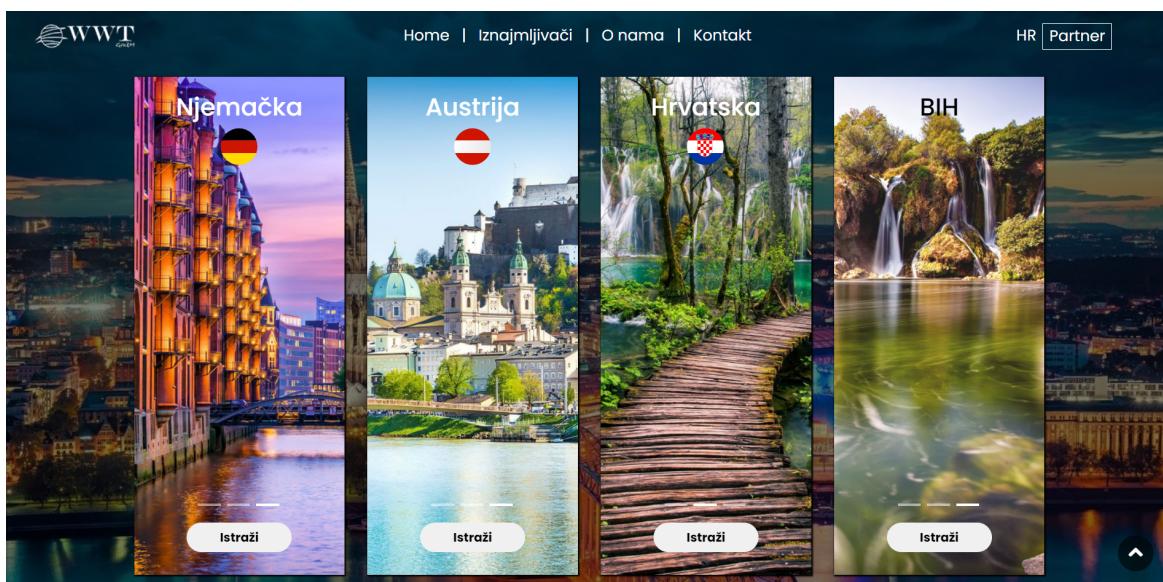
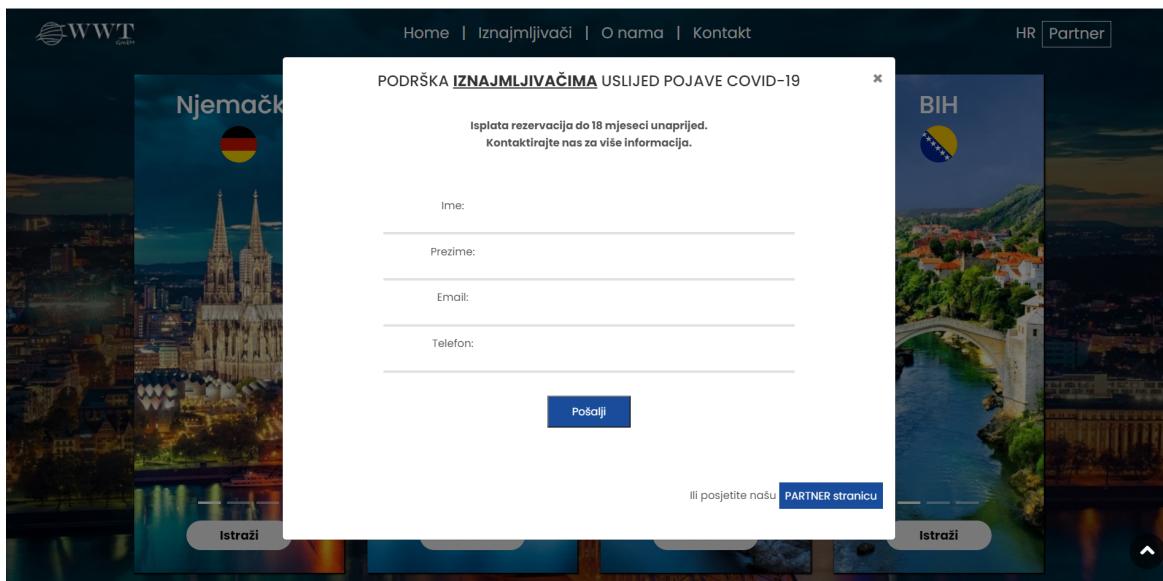


Online Visa App (2020 - Today)

IoS and Android Laravel WebView applications made in Laravel for collecting clients that are interested in obtaining visas for European countries.



Websites



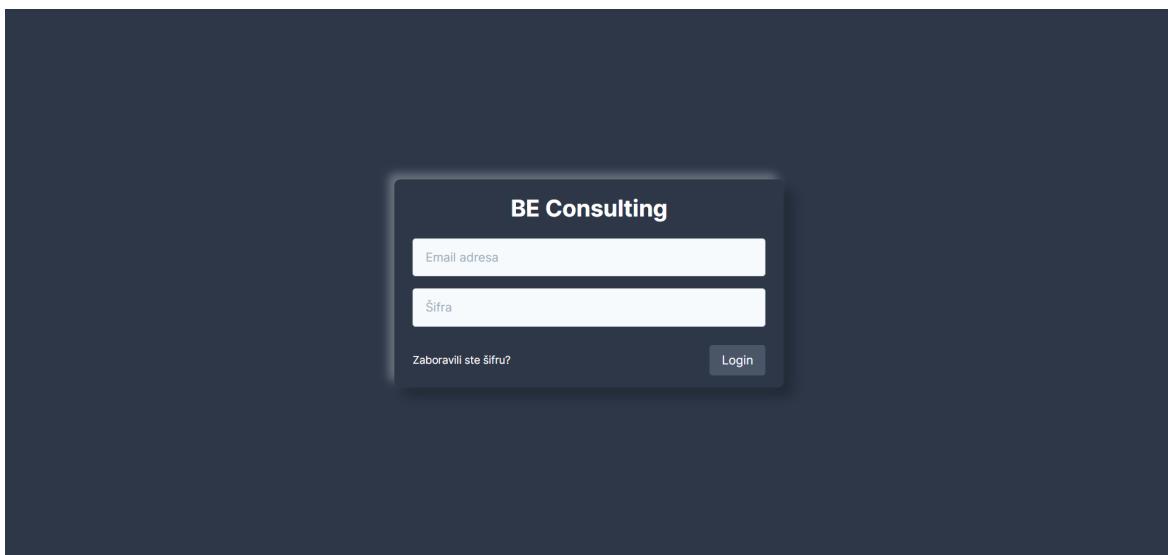
Submit System (2021 - Today)

Laravel Software for scientific/research conference management. The entire process from sending to publishing paper is integrated into one platform. Currently used by the University of Bihać (IOP, Web of Science indexed conference RIM 2021 and 5th of June, a conference held by Biotechnical Faculty Bihać)

The screenshot displays two main sections of the software. On the left, the 'Home' page is shown, featuring a welcome message for Prof.dr. Zinaid Kapić, navigation links for Home, Papers, Settings, Statistics and Finances, and Help, and a user profile for Zinaid. A prominent button labeled 'SEE SETTINGS' is visible. On the right, a detailed view of a paper submission form is shown, including fields for Paper Title, Paper Abstract (with a rich text editor), Keywords, Paper classification (Digital scientific paper, Preliminary communication, Review paper, Professional paper), Section, Research topic, and Author information. At the bottom of the submission form is a checkbox for originality and a 'SAVE' button. To the right of the submission form is a table listing 26 submitted papers, each with columns for Paper title, Paper number, Section, Status, and Action buttons. The table includes entries such as 'OCCURRENCE OF APPLE POWDER MILDEW (Botryosphaeriaceae) IN CULTIVARS 'COSTA' AND 'COSTA' PROBLEMS IN BOSNIA AND HERZEGOVINA', 'Asbestosis as a professional illness lungs of workers', and 'THE IMPORTANCE OF PROPER DISPOSAL OF MEDICAL WASTE ON THE ENVIRONMENT AND HUMAN HEALTH'. The table also shows columns for Show, Search, and Full paper.

QualiExport (2021)

Laravel Software for a company that generates certificates for goods and products exports in the EU.



A screenshot of the main dashboard for 'BE Consulting'. On the left is a sidebar with navigation links: Početna, Klijenti, Kategorije, Standardi, Artikli, Izjave, Profil, Zaposlenici, Statistike, and Financije. The main area has three cards: 'Klijenti' (5 clients), 'Izjave' (400 statements), and 'Zarada' (5000 BAM). A large button labeled 'KREIRAJ IZJAVU' is centered below these cards. At the bottom of the main area, the text 'Copyright by ZI Solve' is visible.

Radio Bihać

Local radio station mobile app.



E-cjenik

Laravel v9 system for generating QR code menus for restaurants, cafes, or any other businesses.

The dashboard features a sidebar with links: Početna, Klijenti, Licence, and Logout. The main area has two sections: 'Kompanije' (Companies) and 'Reklame' (Ads). Both sections include a 'View' button.

The 'Klijenti' (Clients) section shows a table titled 'DODAJ KLIJENTA' (Add Client) with three entries. The columns are ID, NAME, LASTNAME, LOCATION, and CREATED AT. Each entry has 'View', 'Edit', and 'Delete' buttons.

Kompanije

The 'Kompanije' section displays two active companies: 'Pizzeria City' and 'Restoran Panache'. Each company card includes a QR code, address, phone number, and email. Buttons for 'UREDI', 'KATEGORIJE', and 'OBRIŠI' are at the bottom.



Hrana		
Pizza	Mexicana sos, sir, paradajz, kulen	20 BAM
	Mješana Sir, soč, luk	18.5 BAM
	Test test	22 BAM

CONTACT

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info@panache.ba

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RESEARCH PAPERS

- Z. Kapić and F. Kulenović (2019) „Optimization of resource distribution by using linear programming in Python programming language“, RIM 2019 – Development and Modernization of Production, Sarajevo
- Z. Kapić (2020), Implementation of the genetic algorithm in an application for solving traveling salesman problem, XIX International Symposium INFOTEH-JAHORINA, Sarajevo
- Z. Kapić (2021) “Multiple Linear Regression Model for Predicting PM2.5 Concentration in Zenica”, Advanced Technologies, Systems, and Applications V, IAT 2020, Lecture Notes in Networks and Systems, vol 142. Springer, Cham. https://doi.org/10.1007/978-3-030-54765-3_23
- Z. Kapić, A. Crnkić, V. Jaćimović and N. Mijajlović (2021) "A new dynamical model for solving rotation averaging problem," 2021 20th International Symposium INFOTEH-JAHORINA (INFOTEH), IEEE, pp. 1-6, doi: 10.1109/INFOTEH51037.2021.9400663.
- Z. Kapić, et al. (2021) "A web application for remote control of ROS robot based on WebSocket protocol and Django development environment", IOP Conference Series: Materials Science and Engineering, Vol. 1208, No. 1, IOP Publishing, 2021.
- A. Crnkić and Z. Kapić (2021) "Interpolation on the special orthogonal group with high dimensional Kuramoto model", IOP Conference Series: Materials Science and Engineering, Vol. 1208, No. 1, IOP Publishing, 2021
- Z. Kapić (2021) "Dynamic models for solving rotation averaging and rotation interpolation problems", Master Thesis, Faculty of Technical Engineering, Bihać