

Enver Biševac

Consultant Software engineer

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An experienced software engineer with over 15 years of experience in various areas of IT. Developed complete solutions using the cloud and other on premise environments in the educational, pos, food, textile, garment and corporate industry. The solutions were made using the highest standards in software development such as SOLID principles, design patterns and as a result I gained skills that allow me to write more testable and maintainable code. Most project were done using architectural style REST and following all standards for SOA and Microservices architecture I worked in team developing robust and scalable solutions using REST, DDD, Clean architecture and concurrent engineering for big corporations. I have experience with static and dynamic typed languages. I enjoy learning new things and I find it easy for me to adapt to new technologies and patterns.

EXPERIENCE

Endava, Belgrade — *Java, Spring Boot developer , Golang Consultant developer – unified engineering*

September 2019 – present

As Senior software developer my role in Endava is development of provisioning services on Azure platform using Azure Java SDK and REST API. Enterprise applications (Service Principals), Active Directory, CosmosDB, KeyVault, ARM templates etc. (8 months). Current position lead developer in CI product development using Golang toolchain, Redis(Cache, Stream), Pushpin, NATS, EventBus, Postgres, Docker. My role is also to organize the architecture and design documents (SWAGGER or APIARY bp) so other team members can easily develop using design first approach (REST) with DDD concept and mixed hexagonal architecture with event driven architecture.

HalalForMe Inc — *React native developer*

February 2019 – May 2019

My role in this project was enhance mobile application with features: adding and editing places, user profile management, favorites, visited, share, refactoring code for location services, job queue for network operation and search with autocomplete.

IKRESOFT DOO, Novi Pazar — *Python and Android developer*

November 2014 – PRESENT

As python developer I am working on designing and programming REST API calls for various projects. I am using swagger tool for declaring, documenting and testing API and for implementation django rest framework. Android development of two apps I am using Android Studio with Android SDK.

Projects: CloudBar POS, CloudBar Server, CloudBar Android, CloudBar Manager, Oglasi, www.autoprivat24.ch, b2b garment industry, cloud based TAXI tracking system, Loyalty system based on blockchain (research).

University of Novi Pazar, Novi Pazar — *Teaching assistant*

October 2012 - August 2014

Practical lab exercises for subjects:

- Internet programming
- Web application development
- Android Development

SKILLS

Programming languages:

Python, GoLang, Javascript, Java

Task queue: RabbitMq, Redis, Nats

Frameworks:

Django, Falcon, Flask, Celery, Spring Boot, GORM

Data storage:

Mysql(MariaDb), PostgreSQL, MongoDB, RethinkDb, Redis, CockroachDB

Web:

React.js, HTML5, CSS3, Tailwind CSS, JAMstack (Jekyll, HUGO, NextJS), SSE, WebSockets

Desktop and Mobile:

Javascript, Nwjs, Electron, React Native, Android SDK

Tools:

Docker, git, github actions, Dapr.io, Kubernetes

Cloud providers:

AWS, MSFT Azure, DigitalOcean

Colaboration & Project Managment:

Jira, Trello, Clubhouse

LANGUAGES

Serbian / Bosnian – native English – fluent

SOCIAL NETWORKS

[LinkedIn](#)

[Twitter](#)

University of Novi Pazar, Novi Pazar — *Software developer*

March 2009 - February 2012

As Software developer my responsibility was to make all university services online using web technologies. Administration and students services replaced with new intuitive interface very known to both parties. Technologies I used in project: python/django, html, css, jquery.

Projects: UNIS, Online library, Students Desk, Financial App, Unipedia, Website www.uninp.edu.rs, portal.uninp.edu.rs

IKRESOFT DOO, Novi Pazar — *Founder and CEO*

June 2004 – February 2009

Company business was development of accounting software based on Borland Delphi RAD and client/server architecture using rdbms FirebirdSql. We developed for 5 years many Borland package libraries for modularity in the project.

EDUCATION

University of Niš, Niš, Serbia — *PhD student*

October 2018 –

Department: Computer Science

University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin — *M.Sc. Graduated*

Engineer of Informatics October 2007 - January 2009

Department: Computer Science

University of Novi Pazar, Novi Pazar — *Graduated Engineer of Information Technologies*

October 2002 - July 2006

Department: Computer Science

PUBLICATIONS

1. Implementation of the convex polygon triangulation algorithm
2. Encryption based on Ballot, Stack permutations and Balanced Parentheses using Catalan-keys
3. [Application of Catalan Numbers and the Lattice Path Combinatorial Problem in Cryptography](#)

RESEARCHGATE

https://www.researchgate.net/profile/Enver_Bisevac

GITHUB

<https://github.com/enverbisevac>

PROJECTS

Listed projects and details are on next page.

Printer (2019-2020) - Golang application

Printing from web apps directly to POS or any other software/hardware give you advantage for your PWA applications or classic web applications. The main benefit is to move generation and printing system to the client side so any javascript web app can do communication via REST or gRPC and using just HTML and CSS we can print to any device. For example Epson ESCPOS standard (usb, serial, parallel) or PDF invoice generation (file). My responsibility was to design and implement MVP so later can be adopted to other system in area where browsers can't help because of security concerns. The project contains 4 tools:

4. Server
5. Communicator (usb, serial, parallel etc)
6. Drivers (formatters)

Technology: GoLang, Javascript/Vuejs, REST, CLI

HalalForMe (2019-2019) — React Native application

HalalForMe is cloud based product with large api offering restaurants, hotels and other places for specific group of people following HALAL and Kosher standar. My role was to add new fetarues to mobile app based on react native platform.

Technology: JavaScript, React Native, Expo, REST
<https://play.google.com/store/apps/details?id=me.halalfor.finder>

CloudPOS (2014 -) — Point of Sale

This project contain three modules: CloudBar, CloudRetail, CloudRoom. CloudBar.rs module is solution for restaurant business, CloudRoom is for hotel management business and Retail is for all other POS types of bussines. All services runs on cloud infrastructure. Web services are developed in python / django with django rest framework and backed by MySql rdbms with task queue celery/rabbitmq. Desktop clients is Electron and NWJs JavaScript app builded for Windows, Linux and Mac OS X. Android clients like CloudPos application has ability to work offline while temporary internet connection goes down that was my biggest challenge. Android CloudPos has almost all features of classic desktop Cloud POS application builded by Javascript and NWJS. Android apps are primarily based on Android SDK but I am looking into React Native framework for future releases for android and ios platform.

Technology: Python/Django, Java (Android SDK), Javascript (ReactJs, ReactNative), Celery, RabbitMq, Docker, Git, Mysql, Firebase

<https://www.caffetouch.com>
<https://play.google.com/store/apps/details?id=com.ikrosoft.caffedroid>
<https://play.google.com/store/apps/details?id=com.ikrosoft.caffetouch.manager>
<https://play.google.com/store/apps/details?id=com.ikrosoft.caffetouch.cbr>

CloudTAXI(2018 -) — Logistic and tracking

Research project

Ordering and tracking TAXI vehicles using gps and mobile devices. With collected data we can generate various reports like finance or vehicle usability and most important is traffic condition.

Technology: Python/Django, RethingDb, NodeJs, MySql, Firebase

Oglasi (2012-2014) — Web application

Oglasi is very robust web application for classified ads with powerful feature for finding similar products based on semantic classification of product details. For this project I use gensim library.

Technology: Python/Django, Mysql, Android SDK, Gensim

Autoprivat24.ch(2014-2015) — Web application

Online system for searching and adding vehicle ads. All features included: adding, promoting, searching ads and messaging between clients and sellers. Its responsive solution and worked on all modern browsers.

Technology: Python/Django, Html5 Css3, JQuery

eIndexApp(2016 -) — Student

Research project

Android application simulating student document "index". This application mean to replace real document and using it for various systems like authentication, grades and financial reports.

Technology: Android SDK (Java)

Acc(2005 - 2014) — Information system

Information system for small size companies. Accounting, Inventory, Reports, POS

Technology: Object Pascal(Delphi), FirebirdSql, Php, Mysql, FOP, XSLT

UNIS(2009-2012) — Information system

University Information System is complete system for managing all paperwork for students and administration through online applications. CMS, DMS, ePortal etc.
www.uninp.edu.rs

Technology: Python/Django, Mysql, Html5, Css, JQuery, ReportLab

<https://portal.uninp.edu.rs>