

PERSONAL INFORMATION	
Name	ASMIR BUTKOVIC
Address	PORODICE RIBAR 39, 71000 SARAJEVO BOSNIA AND HERZEGOVINA
Telephone	+387 061 637 888
Nationality	Bosnian
E-mail	aButkovic@hotmail.com
Date of birth - Gender	26.05.1978 - MALE
WORK EXPERIENCE	
1. 01.07.2010	Head of Department, Division of Informatics Police support agency, Ministry of Security of Bosnia and Herzegovina, Aleja Bosne Srebrenice bb
2. 14.04.2008 – 31.06.2010	Head of Department, Department for the development and administration of databases Ministry of Security of Bosnia and Herzegovina, Trg BiH 1 Sarajevo
3. 22.09.2004 – 13.04.2008	Senior Advisor - Consultant Database, Department of Information Technology and dissemination Agency for Statistics of Bosnia and Herzegovina, Zelenih beretki 26 Sarajevo
4. 01.09.2003 – 21.09.2004	Programmer, Department of Software Development Globaloffice24 d.o.o Džafer Mahala 53 75000 Tuzla B&H
ADDITIONAL	
<ul style="list-style-type: none"> Assistant Professor, Polytechnic Faculty, University of Zenica (since 2020 up to now, course: Mobile Application Development) Professor, College of Computer Science and Business Communications eMPIRICOM (since 2020 up to now, courses: Database Management, Mobile Application Development) Lecture, , College of Computer Science and Business Communications eMPIRICA (since 2012 up to now, courses: Database Management, Mobile Application Development) Journal reviewer, 2021, "Police and Security" CONHESI 2021 Peru, Keynote speaker Erasmus+ teaching staff member at the Ljubljana School of Business, 2018 SERDA and ALEM Sistem, work on the project "SECOVIA". (Cloud Computing – Concepts, Definitions and Standardization, Legal and Operational Issues Associated with Cloud Computing), 2014 Associate programmer of the Central Election Commission of Bosnia and Herzegovina on the project "Elections 2006" and "Election 2008", 2008 Associate on the project "BH marker transparency master 2005" Siemens Ltd. to develop software for transforming and analyzing data. BH Telecom, regional direction Tuzla, work on the project of a telecommunication system of the municipality Gradacac, 2002 	
EDUCATION AND TRAINING	
1. 2014-2020	PhD studies at the Sarajevo Faculty of Electrical Engineering - Computer Science and Informatics, University of Sarajevo, Faculty of Electrical Engineering PhD dissertation entitled: " <i>A novel approach in modeling of geolocation cybercrime perpetrators</i> " Postgraduate studies at the Sarajevo Faculty of Electrical Engineering - Computer Science and Informatics
2. 2008 – 2011	University of Sarajevo, Faculty of Electrical Engineering Title of the master's thesis: " <i>Specific Aspects of data Encryption in Development of Information Systems to Outsourcing Databases</i> "
3. 1996 – 2002	Undergraduate Studies Department of Technical Informatics University of Tuzla, Faculty of Electrical Engineering
4. 05.01.2015 - 27.03.2015	Advanced Course on I.T. in Law Enforcement National Crime Records Bureau India
5. 09.03.2006 - 28.04.2006	Training of trainers in the field of e-business WIFI Austria and ECOS Institute for Education
6. 17.12.2009 - 06.01.2010	The fight against cyber-crime Mubarak Police Academy Egypt
7. 06.12 – 10.12.2010	Protection of personal data

PERSONAL SKILLS AND COMPETENCES	
MOTHER TONGUE	BOSNIAN
OTHER LANGUAGES	ENGLISH Reading skills – <i>excellent</i> Writing skills – <i>excellent</i> Verbal skills - <i>good</i>
TECHNICAL SKILLS AND COMPETENCES	<ul style="list-style-type: none"> • Good experience in software development practices such as requirements gathering, version control, testing, security issues and writing software documentation • Performing statistical analysis and synthesizing complex data sets to produce highly readable, informative reports and presentations. • Good administration and organizational skills as well as experience in teaching and supervision of students. • Strong SQL database management skills and advanced SQL programming, experience with SQL Server 20012/2017 • Extensive working with geographic information system applications using QGIS GIS software and extensions and familiarity with ArcGIS. • Experience in end - to-end development of software applications from requirement analysis to system study, designing, coding, testing, debugging, documentation, implementation using Xamarin.Forms, XAML, C#, JSON and Microsoft.Net Technologies; • Extensive experience in SQL Server Database design, Database maintenance, developing T-SQL queries, stored procedures, and triggers using SQL Server 20012/2016. • Possessing a solid academic understanding of software development principles. • Strong programming skills and solid experience with software development in C, C++, jQuery, Ajax, Crystal Report. • Implementing and maintaining database security (create and maintain users and roles, assign privileges, backup and disaster recovery procedures), performing database tuning and performance monitoring. • Very good knowledge of object-oriented software design and development techniques. • Experience in the delivery of software applications using Agile/Scrum methodologies. • Implementation of end-to-end encryption of data in information systems development. • A good understanding of cryptographic techniques, the use of many standard cryptographic algorithms (RSA, Triple DES etc.) in different .NET development projects. • Experience in project development with geolocation functionalities using Google Maps APIs and IP mapping tools. • Participation in the planning and development of various government's IT projects in the statistical and security sector of Bosnia and Herzegovina. The work will typically involve problem definition, data sourcing, research and development of innovative analytical solutions and deployment of new applications to meet end-user needs. • Strong motivation for scientific research in an interdisciplinary and international environment and willingness to contribute through research to the dissemination of the technological and scientific outcome, by peer reviewed publications in international journals.
FIELD OF INTEREST	
	Software engineering, Geospatial databases, Cybercrime, Data mining, Artificial intelligence, Cryptography, Computational criminology, Geocomputation, Mapping and Spatial Analysis, Data protection, Smart city, Child Online Protection, Cyberbullying, Civic data analysis, Human geography
PAPERS AND PUBLICATIONS	
	<ul style="list-style-type: none"> – “Geographic Profiling for serial cybercrime investigation” , Digital Investigation 2018 – "Using Whois Based Geolocation and Google Maps API support for cybercrime investigations" WSEAS (World Scientific and Engineering Academy and Society) conference in Dubrovnik, Croatia, June 2013, and – "IP geolocation suspicious e-mail messages," TELFOR conference in Belgrade, Serbia, November 2013 – Creator of GeoCrime program - Geographic profiling and spatial crime analysis program. – One of the authors of the publication <ul style="list-style-type: none"> • Foreign trade (for 2003, 2004, 2005 year) • Industrial production (for 2003, 2004 years)
DRIVING LICENCE	B-category