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| PERSONAL INFORMATION | Elson Cibaku |
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| +1 973 563 2143 |
| elson.cibaku@gmail.com |
| <http://informatika.fshn.edu.al/personelli/msc-Elson-Cibaku> |
| Sex M | Date of birth 23/10/1991 | Nationality Albanian |

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| WORK EXPERIENCE |  |

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| Sep 2021 – present  Feb 2021 – Sep 2021    Oct 2017 – Sep 2021 | Researcher  **NJIT, New Jersey, United States**  Senior Developer, Software Development  **Lev Technology, Tirana, Albania**  Assistant Lecturer |
| **Faculty of Natural Sciences, University of Tirana** |
| Oct 2014 – Feb 2021 | Senior Consultant, Software Development |
| **Facilization SH.P.K, Tirana, Albania**  ***Projects:***  ***1)*** *Name of the project*: **Virtual IBAN**  *Name of the contracting entity/client*: European Merchant Bank UAB (EMB) Lithuania  *Location/country*: Tirana, Albania  *Duration*: Nov 2020 – Feb 2021  *Expert months provided:* 3 months.  *Tools and development framework:* .Net Core 3.1, Angular 10, SQL Server, Keycloak  *Main activities provided by the Expert*: My activity was to design and implement a scalable back end for to transferred between the bank and the payment gateways, in both directions, by replacing real IBANs with the virtual IBANs, and vice versa*.* Design and develop robust services in coordination with front-end developers and produce well-tested, high quality code.  *Project Objectives:* The bank was looking into building a Virtual IBAN solution in order to service payments for Financial Institutions and their customers. Client wanted to use Virtual International Bank Account Numbers to simplify payment collection, by streamlining payment processes and improving reconciliation. The bank requires a solution to be able to maintain VIBANs in order to have a large number of IBANs for the same CIF. This will allow the Bank to create new maintenances for payment accounts, both single- or multi-currency.  ***2)*** *Name of the project*: **BoA NCR (Online Credit Registry)**  *Name of the contracting entity/client*: Bank of Albania  *Location/country*: Tirana, Albania  *Duration*: Feb 2020 – Nov 2020  *Expert months provided:* 12 months.  *Tools and development framework:* .Net Core 3.1, Angular 8, SQL Server, Nginx, Keycloak  *Main activities provided by the Expert*: My activity was to design and implement a scalable backend for credit registry. Design and develop robust services in coordination with front-end developers and produce well-tested, high quality code. Optimized SQL queries for the heavy‑load parts of the system, which improved application responsiveness and reduced the database costs.  *Project Objectives:* The Credit Registry is the electronic system of borrowers in the Albanian banking and financial system. The registry provides the reporting institutions during the process of credit analysis and decision-making with additional information on the borrower’s history. Reporting institutions to the Credit Registry are all the banks and other lending non-financial institutions, licensed by the Bank of Albania. The Credit Registry generates a large number of reports with information on the amount of loan, its repayments, overdue amounts, warranties, data on the loans in which the borrower appears as a related person, loan classification etc.    ***3)****Name of the project*: **BoA Statistics**  *Name of the contracting entity/client*: Bank of Albania  *Location/country*: Tirana, Albania  *Duration*: March 2019 – Feb 2020  *Expert months provided:* 12 months.  *Development framework:* .NET Framework  *Project Objectives:* The main objective of BoA Statistics solution is to provide a web-based statistical application over a data warehouse for balance of payments and international investment position standard. These external statistics are among the primary statistics on which policy-making bodies and markets rely as a basis for their decisions in globalised economies. Monitoring and enhancing data quality in the context of rapidly changing economies impose heavy constraints on compilers of these statistics.  **4)** *Name of the project*: **F-Analytics (IFRS9 Solution)**  *Name of the contracting entity/client*: Tirana Bank, ABI Bank, Credins Bank, NOA Bank  *Location/country*: Tirana, Albania  *Duration*: June 2017-Feb 2019  *Expert months provided:*16 months.  *Development framework:* .NET Framework  *Project Objectives:* The main objective of IFRS9 Solution was to provide a web-based application including requirements for recognition and measurement, impairment, derecognition and general hedge accounting. The new standard is based on the concept that financial assets should be classified and measured at fair value, with changes in fair value recognized in profit and loss as they arise (“FVPL”), unless restrictive criteria are met for classifying and measuring the asset at either Amortized Cost or Fair Value Through Other Comprehensive Income (“FVOCI”).  **5**) *Name of the assignment:* **Factoring Solution**  *Name of the contracting entity/client:* AFI Company  *Location/country:* Tirana, Albania  *Duration:* June 2016 – March 2017  *Expert months provided:* 9 months.  *Development framework:* .NET Framework  *Main activities provided by the Expert*: My work was to develop a web-based application based on use-cases and mock-ups produced by FZ business analysts.  *Project Objectives:* Invoice factoring of unpaid invoices enables customers to quickly get the funding their company needs for necessities such as payroll and operating costs. With invoice/accounts receivable factoring through this application, they can turn unpaid invoices into immediate capital to pay bills, improve cash flow, expand their business, pay off debt, and take advantage of new business opportunities. |

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|  | **6)** *Name of the assignment:* **RDM System**  *Name of the contracting entity/client:* Raiffeisen Bank, Societe Generale Albania, American Bank of Investments, Veneto Bank, Credins Bank, Banka Kombetare Tregtare (BKT)  *Location/country:* Tirana, Albania  *Duration:* Oct 2014 – June 2016  *Development framework:* .NET Framework  *Main activities provided by the Expert:* My work was to design and develop an application system for this project to generate the data into the standardized form and generate the reports based on the bank needs. The information is fed into the application and loaded into the application data warehouse undergoing necessary aggregations, validation, historization and calculation engine for the generation of the risk-weighted asset values of each portfolio.  **7**) *Name of the project:* **FATCA Reporting System**  *Name of the contracting entity/client:* Tirana Bank  *Location/country:* Tirana, Albania  *Duration:* March 2015 – June 2015  *Development framework:* .NET Framework  *Programming language used:* C#  *Main activities provided by the Expert:* System architect and source code versioning expert. Development of FATCA data packet that includes all data files including validation, digitally sign using “enveloping” signature and SHA2-256 hash, and encryption (AES256 algorithm) specified by IRS.  **8)** *Name of the project:* **ARB System, Kosovo**  *Name of the contracting entity/client:* Banka per Biznes  *Location/country:* Pristina, Kosovo  *Duration*: June 2015 - August 2015  *Development framework:* .NET Framework  *Database Platform*: SQL Server and SSIS for data integration and ETL  *Main activities provided by the Expert*: To develop and implement a dynamic application system to register bank events from different branches, performing logic system interoperability and generate the required reports.  *Project objectives:* ARB System Report enables the bank to analyse the behaviour of customers, branches and their values to develop better communication channels. The application is built in such a way as to increase flexibility in the reporting of events, reducing the maximum proper time for reporting from branches. |

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| EDUCATION AND TRAINING |  |

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| Oct 2013 – Jul 2015 | Master of Science in Informatics Degree |  |
| University of Tirana, Faculty of Natural Sciences, Tirana | |
| Specification: Since 2-year diploma is equivalent to MSC degree in Albania this diploma known as Master of Science.  Principal Subjects Covered: E-Commerce, Artificial Intelligence, Coding Theory and Cryptographies, Advanced Operating Systems, Object Oriented and Aspect Oriented Databases, Parallel Programming | |

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| --- | --- | --- |
| Oct 2010 – Jul 2013 | Bachelor Degree in Computer Science |  |
| University of Tirana, Faculty of Natural Sciences, Tirana | |
| Principal Subjects Covered: Web Developing, Algorithmic, Coding Theory, Object Oriented Programming, Software Engineering, Networks Architecture, Artificial Intelligence, Operating Systems, Databases. | |

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| PERSONAL SKILLS |  |

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| Mother tongue(s) | Albanian | | | | |
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| Other language(s) | UNDERSTANDING | | SPEAKING | | WRITING |
| Listening | Reading | Spoken interaction | Spoken production |  |
| English | C1 | C1 | C1 | C1 | C1 |
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| Organisational / managerial skills | ▪ Easily adopt to challenging environments  ▪ Good Problem-Solving Skills  ▪ Good Leadership qualities (team-leader of a development team of 5 people) |

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| Job-related skills | * Experience in full lifecycle software development projects, from requirements elicitation to implementation and delivery. * Lead the team in migrating legacy infrastructure to modern stack, utilizing .NET Core, CQRS, and Azure cloud. * Provided infrastructure and integration guidelines for load‑balancing and web deployment. * Working experience in deploying and maintaining project development tools, experience in software development, reports development and database development. * Proven track record in Database development, including Oracle and SQL Server. * Writing computer programs for various purposes, front-end and back-end development. Strong knowledges in both Web and Desktop application development. * Working experience in C# for desktop and web application or cross platform application with DevExpress. * Very good knowledge in Software Engineering with different techniques and process models. * Determining the workflow of an application and understanding the application requirements of a particular software design. * Experience in BASEL III Data Warehouse Development and Business Intelligence Development |

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| Digital skills | SELF-ASSESSMENT | | | | |
| Information processing | Communication | Content creation | Safety | Problem solving |
|  | Proficient user | Proficient user | Proficient user | Proficient user | Proficient user |
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| Other skills | * Programming Languages (hands-on experience): C#, Java, Java Script, C/C++, PHP * Development in Oracle Flexcube Open Development Tools (RAD) * Development in Database Systems (PL/SQL, TSQL) * Database System Management (SQL SERVER, ORACLE, PostgreSQL, MySQL) * Reports Development (SQL Server Reporting Services, Oracle Business Intelligence) * Web Developing (ASP, HTML, XML, PHP, Java, Java Script) * Software Engineering (different techniques and process models) |

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| Driving licence | B |

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| ADDITIONAL INFORMATION |  |

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| Honours and awards  Memberships  Conferences:  Certifications | Innovation Award 2018 ~ Facilization  Member of “Data Analysis” Scientific Group, University of Tirana   * Implementation of a data comparative model to ensure product quality for analytical solutions. * End-to-end testing quality assurance on agile methodology of analytical solutions. * Microsoft Certified Solutions Associate (MCSA): SQL 2016 BI Development, Nov 2018 * Exam 768: Developing SQL Data Models by Microsoft, Nov 2018 * Certificate of Implementing a Data Warehouse with Microsoft SQL Server 2012/2014 * MCP: Microsoft Certified Professional (License F979-8074), Jan 2017 * Certificate of Oracle Database 12c: SQL Fundamentals, Feb 2016 * Certificate of Imagine Cup competition organized by Microsoft Albania, March 2013 |
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