



## CURRICULUM VITAE(CV)

<b>Position Title and No.</b>	<i>System Analyst</i>
<b>Name of Expert:</b>	<i>Zaur Izzatdust</i>
<b>Date of Birth:</b>	<i>May 5, 1987</i>
<b>Country of Citizenship/Residence</b>	<i>Azerbaijani, Finnish</i>

### Education:

2010-, M.Sc. Studies in Computer Science, Aalto university, Finland, majoring in machine learning and data mining

2009, B.Sc. Degree, Azerbaijan State Oil Academy, Azerbaijan, majoring in computer science

<b>Period</b>	<b>Employing organization and your title/position. Contact info for references</b>	<b>Country</b>	<b>Summary of activities performed relevant to the Assignment</b>
2012 - Present	<b>Sirway Ltd.</b> System Analyst	Various	Development of the GIS, RAMS and other IT systems as well as databases and consultancy services for various projects
2014 - 2015	<b>Weegos Ltd.</b> System Analyst	Finland	Management of development teams of server and client-side applications for a carsharing service.
2011 - 2012	<b>Aalto University</b> Researcher	Finland	Development and application of data mining and machine learning algorithms and methods in data analysis.
2010	<b>ABB Finland</b> Project Manager	Finland	An Information Systems Project conducted for ABB (further information disclosure is limited by NDA)
2007 - 2009	<b>Zygon Caspian Consulting</b> IT Consultant	Azerbaijan	Consultancy in IT development and systems. Information system development included database design and implementation, user interface design and programming, system



			testing, data collection, data quality control and entry in the systems. User training was part of the consultancy projects.
2005 - 2007	<b>Zygon Caspian Consulting</b> IT Support Consultant	Azerbaijan	IT support on various aspects such as users and system development. Local Area Network was administered, and decisions made on hardware and software purchases and development.

### Membership in Professional Associations and Publications:

Timo Honkela, Zaur Izzatdust, and Krista Lagus. Text mining for wellbeing: Selecting stories using semantic and pragmatic features. In *Proceedings of ICANN 2012, 22nd International Conference on Artificial Neural Networks, Volume II*, pages 467–474, 2012.

Zaur Izzatdust and K. St Clair. Novel Cloud and Mobile technology for Road Asset Management in Saint Lucia, Abu Dhabi, 2019.

Zaur Izzatdust, R. Philogene-Mckie and Konsta Sirvio. Implementation of Road Asset Management System in Saint Lucia, Abu Dhabi, 2019.

### Language Skills (indicate only languages in which you can work:

Language	Speaking	Reading	Writing
English	Excellent	Excellent	Excellent
Russian	Excellent	Excellent	Excellent
Finnish	Moderate	Moderate	Moderate
Azeri	Excellent	Excellent	Excellent

### Adequacy for the Assignment:

Detailed Tasks Assigned on Consultant's Team of Experts:	Reference to Prior Work/Assignments that Best Illustrates Capability to Handle the Assigned Tasks
<ol style="list-style-type: none"> <li>1. Road asset data management</li> <li>2. Data processing</li> <li>3. Road Asset Management System Development</li> <li>4. RAMS training</li> <li>5. Software maintenance</li> </ol>	<p><b>System Analyst for Results-based Road Maintenance and Safety Project (RRMSP)</b></p> <p><b>Supply and Installation of a Road Asset Management System (RAMS) for Albanian Road Authority 2021-Ongoing</b></p> <ul style="list-style-type: none"> <li>• Preparation of procedures and processes for road data collection and management with a manual.</li> </ul>



<p>6. GIS data processing 7. Database development 8. RAMS operations</p>	<ul style="list-style-type: none"><li>• Preparation of road asset management processes with the linkages to the organisation structure and information systems. Road asset management manual was prepared.</li><li>• Creation of performance management framework.</li><li>• Implementation of a web-based periodic and routine maintenance planning tool.</li><li>• Preparation of maintenance plans.</li><li>• Integration of BMS and RMS.</li><li>• Setup of RAMS server.</li></ul> <p>Integration with the existing WEBGIS module</p> <p><b>System Analyst for Upgrading Integrated Road Asset Management (IRAM) System at MPWT 2020-Ongoing</b></p> <ul style="list-style-type: none"><li>• Develop IRAM v2 software using software development and testing best practices.</li><li>• Deploy IRAM v2 software to MPWT server environment.</li><li>• Create documentation for IRAM v2 software.</li><li>• Upload into IRAM v2 the relevant available road network data on the RMS and the needed historical data available in the current IRAM.</li><li>• Conduct training of MPWT and other relevant Government staff.</li><li>• Provide IRAM v2 software maintenance and support.</li><li>• Define contents of a Road Sector Contracts Management Annual Report.</li><li>• Develop an implementation plan for the IRAM v2 system.</li></ul> <p><b>System Analyst for Technical Assistance to Develop Capacity for a Climate Resilient Road Sector, Mozambique, 2019-2020</b></p> <p>Inspected and documented all collected data. Migrated all disperse data to a centralised Database. Wrote scripts for automated calculation of indices using GIS data. Authored documents with recommendations for improvements</p> <p><b>IT Expert for Data collection support and establishing a Road Asset Management System, Kyrgyzstan, 2019-2020</b></p> <ul style="list-style-type: none"><li>- Corrected and used GIS data from road data collection</li><li>- Processed geospatial data for WebGIS and web-based maps</li><li>- Set up a geospatial Database for storing and manipulating collected data</li><li>- Wrote Database queries to optimise performance</li><li>- Wrote Database functions for processing data</li></ul>
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- Wrote scripts for automated imports from another Database as data changed
- Developed a web-based system for bridges and tunnels
- Organised trainings

**System Analyst for the Ministry of Infrastructure, Ports, Energy and Labour, St. Lucia, 2018-2020**

- Established and optimised a geospatial Database
- Organised GPS data collection for the whole country including the centerline
- Restored operation of a base station of the National Emergency Management Organisation
- Set up highly accurate GPS data collection achieved by correction using base station data
- Processed and corrected collected data
- Wrote to scripts for automated imports of new data to the Database
- Wrote to scripts for automated exports to different formats
- Developed a web-based system for accessing collected road and bridge data
- Organised trainings and workshops

**Road Asset Management/Database Expert for Sirway Ltd, Finland, 2013-2017.**

Development of GIS-based Road Asset Management System with Road Asset Data Model, Road database, QGIS-support, web-based application for road data analysis, reporting, data import and HDM-4 export.

**System Analyst for Development of Socio-Economic Impact data collection software for infrastructure investments, Department of Works, Papua New Guinea, 2016**

Mr. Izzatdust was responsible for creating the architecture of the data collection software tool, designing the the software and programming the tool with web-based technology. Database was designed to reflect the required questionnaires and data queries for analysis reporting were made. The whole software was implemented by Sirway, users were trained, and the tool was tested with real data.

**IT Expert for Ministry of Construction, Myanmar, 2016.**

Assessment of the future needs for road asset management practices, road asset management system and road database. Training on use of RAMS. Improvement of the current RAMS to include local character sets and enhanced reporting.



**RAMS Expert for a fact-finding mission for the Ministry of Transport in Oman, 2015.**

Review of the existing road asset management systems and recommendation for renewal for the Ministry of Transport of Oman.

**IT Expert for a Road Asset Management System implementation for Proaktiva TI & Telekom in Angola, 2014-2015.**

Creation of the road data model for profilometer and traffic survey data collection and integration of Geographic Information System QGIS, Pavement Management System HDM-4 with Road Asset Management System.

**ICT Director for Weegos Ltd, Finland, 2014-2015.**

Management of development teams of server and client-side applications for a carsharing service. The server-side software was developed with Scala –programming language, while the client side was done in Javascript and HTML5 running as a web application. Data collection of the telematics hardware in cars is integrated to the backend. The web application offers a GIS-based view on locations of rental cars and journey history.

**Software and Database Specialist for ROMI-project, NesteOil, Finland, 2014-2016.**

Analysis of data requirements for calculations of return on marketing investments (ROMI) for oil retail company, creation of database for marketing –related data, research on regression and relative importance models, selection of methods and calculation of return on marketing investments for B2B and B2C customers for the main product groups. Creation of web applications for marketing data analysis.

**IT Consultant for Zygon Caspian Consulting, Azerbaijan, 2007-2009.**

Consultancy in IT development and systems. Information system development included database design and implementation, user interface design and programming, system testing, data collection, data quality control and entry in the systems. User training was part of the consultancy projects.

**ICT Expert and project manager for an iPhone mobile application "PROgress", 2014**



PROgress is a To-Do List Manager with a twist: it helps visualise the extent of progress of projects for the user. It boasts innovative design and customisation capabilities.

**ICT Expert and project manager for an iPhone mobile application "Ships and Rockets", 2014**

Ships and Rockets is an engaging Tower Defence-style game that's rich in graphics and sound effects. The game's is done in the style of the retro "pixel" games and has the music sound FX to match.

## Achievements:

[\*] Featured by Apple as New and Noteworthy in the Arcade Games category

[\*] An average 5-star rating

**ICT Expert and project manager for an iPhone mobile application "Cleverspot", 2014**

Cleverspot is a social networking application for hosting, adding, discovering and hosting crowdsourced skateboarding locations (or "spots"), including specific information about them, as well as photos. The backend of the service is hosted by a proprietary engine which serves the information using an API.

## Achievements:

[\*] Featured by Apple as New and Noteworthy in the Sports category

[\*] Featured by skateboarding community magazines and blogs

[\*] An average 4.5-star rating

**ICT Expert and project manager for an iPhone mobile application "Time Lines", 2015**

Time Lines is a unique take on a World Clock with distinct design and innovative user interface. It is undergoing active development, has been updated to include the latest developments in the mobile app industry, including widgets, and a new version supporting Apple Watch is about to be released.

**Researcher for Aalto university, Finland, 2011-2012.**

Development and application of data mining and machine learning algorithms and methods in data analysis.



**Expert's contact information** ([zaur.izzatdust@sirway.fi](mailto:zaur.izzatdust@sirway.fi), +358 40 7725 259)

**Certification:**

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience, and I am available to undertake the assignment in case of an award. I understand that any misstatement or misrepresentation described herein may lead to my disqualification or dismissal by the Client, and/or sanctions by ZPPA.

Zaur Izzatdust

10/09/2022

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Name of Expert

Signature

Date