Semko Ihor
QA Engineer

Date of birth:	07 July 1987 (31 years)
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Objective

Getting a position of QA Engineer / Software Test Engineer to apply my professional skills, knowledge and experience with the opportunity of professional development and career growth.

Introduction

- Practical experience in Geographic Information Systems (GIS).
- Good knowledge of testing theory.
- Understanding of software development life cycle, including test strategy and test plan development, case creation, test execution and bug tracking.
- Practical experience in applying various program-testing technologies and methodology.
- Enjoy learning new tools and technologies.

Skills and Software

Programming Languages / Technologies
- Technical Documentation/SRS
- Python, VBA
- JavaScript/REST API/DHTML/HTML/CSS
- SQL

Server Technology
- Microsoft SQL Server / ArcGIS Server
- PostgreSQL / PostGIS / GeoServer

Test management/Bug Tracking tools
- Jira

Client-side testing tools
- Firebug, Tamper Data

Development Tools
- ArcGIS ModelBuilder / Python add-in tool
- IntelliJ IDEA / Visual Studio

Project/Process Methodologies
- Agile(SCRUM), Waterfall

Graphic editors
- Adobe (Photoshop, Illustrator, Acrobat)

GIS/CAD programs
- ArcGIS, QGIS, Digitals, MapInfo, AutoCAD, FME, Global Mapper

Experience

SSPE "Kartographia" 11/2013 – 07/2018 (4 years 7 months)

Design of digital and electronic maps and GIS

Project Role:	**Head of the department** 10/2015 – 04/2018 (2 years 6 months)
Project Description:	National Register of Geographic Names (http://land.gov.ua/) Turist map (http://mgir-tour.info/Migihyrskiy/Index.html)
Project Team Size:	20 team members
Responsibilities:	

- Supervising a team of programmers, cartographers, data managers;
- Participation in negotiations, tenders, conclusion of treaties;
- Development and management of engineering design plans;
- Performing duties of a project leader in GIS, effectively managing several projects and tasks at a time;
- Recruiting and training staff;
- Adoption of automated processes in cartography and GIS;
- Managing technical and normative documentation as part of a production process;
- Improving of ISO 19100, ISO 19115, ISO/TC 211 etc. inside the company;
- Management and administration of GIS Servers, providing their performance and security.

Project Role:	**Engineer/Team Lead** 11/2013 – 10/2015 (1 years 9 months)
Project Team Size:	5 - 8 team members
Responsibilities:	

- Supervising a team;
- Processing and interpretation of GIS data;

- Quality control operators;
- Performing established procedures for quality assurance and quality control on all stages of project life cycle;
- Writing technical reports.

Tools & Technologies: ArcGIS + development tools, FME, Global Mapper, Adobe Illustrator (MAPublisher)

SI "CASRE" 11/2010 – 04/2018 (8 years 5 months)

Using LiDAR technology in Ukraine

Project Role: **Junior Research Fellow** 10/2015 – 07/2018 (2 years 9 months – Underemployment)
Engineer 09/2011 – 03/2016 (4 years 5 months – Underemployment)
PhD Student 10/2010 – 10/2013 (3 years)

Responsibilities:
- Conducting scientific researches involving a remote sensing research;
- Design, development, and verification methods and scripts for LiDAR data analysis;
- Preparing papers and research results for publication in scientific reviews and presenting at conferences;
- Conducting experimental trials and trainings.

Tools & Technologies: TerraSolid, ArcGIS (LasTools), ENVI, QGIS

Scientific Production Center "Land Information Systems" 06/2009 – 11/2010 (1 year 5 months)

World Bank Project "Rural Land Titling and Cadastre Development Project"

Project Description: Building up the cadastral map of Ukraine (http://map.land.gov.ua/kadastrova-karta)

Project Role: **Photogrammetric Engineer**

Responsibilities:
- Creation of cadastral maps with GIS software;
- Documenting of project plan, specifications, project manuals etc.
- Testing, application tools and utilities implementation for appropriate geodata acquisition.

Tools & Technologies: Digitals, MicroStation

Certifications
- Web GIS and Geoportals for spatial data infrastructure (SDI) – 2017
- Spatial Modeling and Applications for SDI – 2017
- Issues of management in SDI – 2016
- Spatial Cadastral Information Systems for SDI – 2015
- Database Management Systems for SDI – 2015
- ProZorro Public Procurement – 2015

Education
- **PhD**
  SI «CASRE IGS NAN Ukraine» (2010-2016)
  05.07.12 – Remote aerospace research
- **Master**
  Kyiv Institute of Land Usage and Information Technology of NAU (2007-2010)
  Surveyor/Geodesist
- **Bachelor**
  College of Information Technology and Land Management of NAU (2004-2007)
  Surveyor/Geodesist

Language Ukrainian, Russian – native
English – Intermediate