

# Maksym Ligus

## Lead Data Engineer

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**About** I am a Data Engineer with 10+ years of experience in software engineering. During this period I had the luck to lead amazing engineering teams - small and large, distributed and localized. I have been designing, implementing and supporting Analytics, Data Warehousing, and other data-intensive large-scale systems from the requirements stage to production. My extensive experience in performing pre-sale engagements with follow-up discovery and implementation phases helped multiple clients to achieve their business goals in the most optimal way.

I love Python, SQL and big data techs. And I believe that the best solutions lay in between, so be constantly learning is my credo.

**Skills** Data-intensive Applications (*expert*), Business Continuity & Disaster recovery (*expert*), Functional Specification (*expert*), High Availability Solutions (*expert*), Behavior-driven Design & Design (*good*)

Python (*expert*), SQL (*expert*), JavaScript (*beginner*), Java (*beginner*)

Spark (*expert*), Hive (*expert*), Airflow (*expert*), BigQuery (*expert*), Hadoop (*good*), Apache Beam (*good*), Redshift (*good*), HBase (*beginner*)

GCP (*expert*), Terraform (*expert*), Git / Perforce (*expert*), AWS (*good*), Ansible (*good*), Docker (*good*), Jenkins (*good*), Kubernetes (*beginner*)

**Languages** English (*C1*), Ukrainian (*C2*), Russian (*C2*)

## Previous Experience

### 2019 **Lead Data Engineer** @ SoftServe Inc.

- Design, code, test and debug technical complex solutions
- Design and build large-scale data processing systems
- Engagement of new clients and presale support
- Create prototypes and assist in proposal development for client engagement
- Establish engineering process
- R&D and rapid prototyping
- Organize and facilitate team and client meetings
- Maintain and document solutions in accordance with defined software engineering standards
- Develop specifications and technological approaches, coding patterns and key application components
- Regularly participate in reviews of team work products
- Estimate efforts required for project implementation and reach goals in compliance with a schedule
- Identify system and process deficiencies, propose and implement solutions and improvements
- Take full responsibility for the implementation of project parts including work on the new projects
- Continually seek opportunities to increase customer satisfaction and deepen relationship
- Assist in skills development and supervision of junior staff

2017 – 2018

**Lead Software Engineer @ SoftServe Inc.**

- Design, code, test and debug technical complex solutions
- Design and build large-scale data processing systems
- Engagement of new clients and presale support
- R&D and rapid prototyping
- Provide direction for the analysis, design, construction, integration, deployment and configuration of the system developed
- Develop clear understanding of client requirements mapped to system design and architecture
- Establish engineering process
- Organize and facilitate team and client meetings
- Track and resolve issues where solution deviates from the technical vision update technical vision when it's necessary, communicate changes to the team, project management and client
- Take full responsibility for the implementation of project parts including work on the new projects
- Ensure the highest quality of software engineering, applying best practices and closing gaps
- Ensure quality of code and technical solutions produced by development team
- Assist in skills development and supervision of junior staff

2016 – 2017

**Senior Software Engineer @ SoftServe Inc.**

- Design, code, test and debug technical complex solutions
- Regularly participate in reviews of team work products
- Maintain and document programs in accordance with defined software engineering standards
- Maintain technical specifications and supplementary project documentation in compliance with the changes in the system or its environment
- Develop specifications and technological approaches for all but the most complex software applications
- Estimate efforts required for project implementation and accomplish the tasks in compliance with a schedule defined by technical management
- Take full responsibility for the implementation of project parts including work on the new projects
- Assist in facilitation of team and client meetings
- Resolve development issues of high complexity
- Create prototypes and assist in proposal development for client engagement
- Identify system and process deficiencies, propose and implement solutions and improvements
- Organize and facilitate team and client meetings
- Assist in skills development and supervision of junior staff

2015 – 2016

**Software Engineer @ SoftServe Inc.**

- Design, code, test and debug technical solutions in compliance with the defined engineering standards
- Assist in validation of technical solutions by participating in code inspections
- Maintain and document programs in accordance with defined software engineering standards
- Maintain technical specifications and supplementary project documentation in compliance with the changes in the system or its environment
- Participate in development of technical specifications and technological approaches
- Provide estimates of efforts required to implement the tasks assigned and accomplish the tasks in compliance with a schedule
- Identify system and engineering deficiencies and recommend solutions and process improvements
- Contribute to and enforce coding standards
- Assist in skills development of junior staff
- Facilitate in development tasks prioritization for junior staff
- Assist in enforcement of development deadlines and schedules

2014 – 2015

**Software Engineer @ Lot Internet GmbH**

- Design, code, test and debug technical solutions in compliance with the defined engineering standards
- Participate in development of technical specifications and technological approaches
- Provide estimates of efforts required to implement the tasks assigned and accomplish the tasks in compliance with a schedule
- Maintain and document programs in accordance with defined software engineering standards
- Identify system and engineering deficiencies and recommend solutions and process improvements
- Assist in skills development of junior staff

2008 – 2014

**Software Engineer @ PrJSC MTS Ukraine**

- Design, code, test and debug technical solutions in compliance with the defined engineering standards
- Participate in development of technical specifications and technological approaches
- Provide estimates of efforts required to implement the tasks assigned and accomplish the tasks in compliance with a schedule
- Maintain and document programs in accordance with defined software engineering standards
- Identify system and engineering process deficiencies, propose and implement solutions and process improvements
- Maintain and support company-wide network management solution
- Plan maintenance activities

2006 – 2008

**System Administrator / Software Engineer @ PJSC Ukrtelecom**

- Design, code, test and debug technical solutions in compliance with the defined engineering standards
- Architecture and design of subsystems and modules
- Product support and documentation maintenance
- Plan maintenance activities
- Resolve service incidents as Layer 3 support, perform troubleshooting and incident escalation
- Analyze performance, health and resources usage of infrastructure services and proactively manage their resource allocation
- Assist in skills development of junior staff

## Education

2007

Master's degree in **Telecommunications Technology and Applications**

*National Technical University of Ukraine - Kyiv Polytechnic Institute*

2005

Bachelor's degree in **Electronic Devices**

*National Technical University of Ukraine - Kyiv Polytechnic Institute*

## Certification

2018

**Professional Cloud Architect** Google Cloud ([view](#))

2018

**Professional Data Engineer** Google Cloud ([view](#))

2015

**Python 3.3** Brainbench ([view](#))