**Sonya Helal**

Moscow, Russia

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# EDUCATION

**Ph.D. in Informatics and Information Processes Oct 2022 – Ongoing**

Penza State Technological University

**Master of Science in Information systems and technologies June 2022**

Penza State Technological University | Graduated with High Honours

**Master of Science in Information Systems Security June 2019**

University of Blida 1 | Graduated with High Honours

**Bachelor of Science in Information System and Software Engineering June 2017**

University of Blida 1 | Graduated with High Honours

# WORK EXPERIENCE

## Business Intelligence Analyst Krasnoyarsk, Russia

"Komandor” April 2023 – Present

* Built and maintained 30+ dashboards using Power BI and Apache Superset.
* Worked with cross-functional teams to define KPIs and improve reporting standards.
* Reduced weekly reporting time by 40% through automation and SQL optimization.
* Designed datasets in ClickHouse and used Jinja for dynamic filtering and conditional logic
* Created custom Superset charts with HTML/CSS to enhance clarity and decision-making impact.
* Led the end-to-end development of client dashboards, from data modeling to final delivery.

## SQL Database Administrator Penza, Russia

“Settlement and Billing Solutions” Oct 2021 – Oct 2022

* Improvedquery performance and reduced report time by 25%

# Cleaned and structured raw data into ready-to-use analysis tables

# Monitored SQL pipelines and ensured 24/7 database uptime

# Supported BI analysts by delivering reliable and consistent data outputs

## Junior Java Developer Algiers, Algeria

”C.E.R.I.S.T” Sep 2019 – June 2020

# Developed backend services using Java and Spring Boot

# Participated in agile sprints, stand-ups, and QA testing

# Used SQL for database access and GitLab for version control

# Gained hands-on experience in professional software development

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# SKILLS & INTERESTS

**Languages:** Fluent in French, English, Arabic, and Russian, with professional proficiency in both written and verbal communication across multicultural environments.

**Technical Skills:**

* SQL (advanced querying, optimization, and data modeling with ClickHouse and relational databases)
* Python (Pandas, NumPy) for data engineering, ETL, and automation
* BI tools including Superset, Power BI, and Tableau for dashboard design and KPI reporting
* Git and Docker for version control and deployment.

**Interests:** Focused on advanced data engineering and visualization techniques to strengthen strategic, data-driven decision-making and business impact.