



# SONYA HELAL

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[Portfolio](#)

A highly structured and curious Data Analyst with 4 years of experience in BI, SQL, and dashboarding. I enjoy turning complex data into clear, actionable insights that support decision-making. I've worked with international teams and thrive in collaborative environments. I'm open to relocating to Denmark, where my partner lives, and I'm motivated by the country's strong values, work culture, and focus on quality



## EXPERIENCE

APRIL 2023 – PRESENT

### **BUSINESS INTELLIGENCE ANALYST**, KOMANDOR, KRASNOYARSK, RUSSIA

*Komandor is a mid-sized retail chain with over 400 stores and 10,000 employees across Eastern Siberia. I support commercial and operational teams by turning raw data into insights that improve decision-making and performance.*

- 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
- Led the end-to-end development of client dashboards, from data modeling to final delivery
- Created custom Superset charts with HTML/CSS to enhance clarity and decision-making impact

OCTOBER 2021 – OCTOBER 2022

### **SQL DATABASE ADMINISTRATOR**, SETTLEMENT AND BILLING SOLUTIONS, PENZA, RUSSIA.

*Small utility billing provider supporting over 100,000 households. I managed internal databases and optimized data flows for billing and reporting systems*

- Improved query 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

SEPTEMBER 2019 – JUNE 2020

## **JUNIOR JAVA DEVELOPER, CERIST, ALGIERS, ALGERIA.**

*CERIST is Algeria's national ICT research institute. As part of my master's program, I contributed to small-scale Java development projects for internal academic tools and research interfaces.*

- 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



## **EDUCATION**

SEPTEMBER 2022 TO JUNE 2026

### **PHD IN INFORMATICS AND INFORMATION PROCESSES, PENZA STATE TECHNOLOGICAL UNIVERSITY, RUSSIA**

- Thesis: AI-Based Integration of Heterogeneous Data Streams in E-Health and Smart Agriculture.
- Focus: Big Data systems, AI analytics, scalable data infrastructure

SEPTEMBER 2020 TO JUNE 2022

### **MSC IN INFORMATION SYSTEMS AND TECHNOLOGY, PENZA STATE TECHNOLOGICAL UNIVERSITY, RUSSIA**

- Graduated Top 1 of class with honors
- Thesis: Development of an intelligent E-Health System for Electronic Health Records (EHR) Management.
- Focus: Decision-support systems, data mining, BI, advanced databases

SEPTEMBER 2017 TO JUNE 2019

### **MSC IN SECURITY SYSTEMS, UNIVERSITY BLIDA 1, ALGERIA**

- GPA: 18 / 20 (equivalent to 12 in Danish scale)
- Thesis: Anonymous Authentication and Access Control in a Cloud Environment: Application to E-Health Systems
- Focus: Cryptographic security of electronic health records.

SEPTEMBER 2015 TO JUNE 2017

### **BSC IN SOFTWARE ENGINEERING, UNIVERSITY BLIDA 1, ALGERIA**

- GPA: 18 / 20 (equivalent to 12 in Danish scale)
- Thesis: Development of a Web Portal for the Computer Science Department
- Focus: Full-stack development and student service tools.



## **SKILLS**

- **Data & BI:** SQL (ClickHouse, PostgreSQL), Power BI, Superset, Excel (Power Query), Metabase
- **Analytics & Modeling:** Data modeling, KPI design, dashboard UX, data storytelling, basic A/B testing
- **Programming:** HTML, CSS, Python, Java, JavaScript, Vue.js
- **Workflow & Collaboration:** Git, REST APIs, Jira, Notion, Confluence, technical documentation



## LANGUAGES

- French; Native proficiency
- English; Bilingual proficiency
- Arabic; Bilingual proficiency
- Russian; Bilingual proficiency
- Danish; Beginner



## ACTIVITIES

- **Volunteer Math Tutor:** Helped high school students prepare for exams through tutoring and study guidance
- **University Teaching Assistant:** Taught bachelor students during PhD (Big Data, lectures & exercises)
- **Personal Interests:** Data storytelling, dashboard UX, psychology of user behavior, language learning, hiking, gaming
- **Currently Exploring:** Data ethics, sustainable BI strategy, and dashboard storytelling
- **Relocation:** Preparing to relocate to Denmark to join my long-term partner and integrate into Danish work and life