

# Sonya Helal

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## Experience

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### Database Developer

"Settlement and Billing Solutions"

Penza, Russia

Oct 2021 – Oct 2022

- Manage the planning and development of design and procedures for metrics reports.
- Replaced a library of SQL connected Excel spreadsheets and implemented the SSRS server.
- Developed indexed database architecture using SQL procedure and triggers for different applications
- Migrated multiple SQL instances off end of life servers onto higher performance configurations.
- Changed database recovery models and implemented Maintenance Plans for complete backup strategy.

### SQL Analyst

"Ooredoo"

Algiers, Algeria

July 2019 – Jan 2020

- Wrote and executed SQL queries to extract data from large databases for use in analysis and reporting.
- Collaborated with senior analysts to create customized dashboards and reports using data visualization tools such as Tableau and Power BI.
- Worked with the IT team to troubleshoot database issues, ensuring data accuracy and integrity.
- Assisted in the design and management of databases, including data clean-up and schema creation, resulting in a more streamlined data management process.

### Java Development Intern

"C.E.R.I.S.T"

Algiers, Algeria

Jan 2019 – June 2019

- Collaborated with my supervisor to identify requirements for a secure data-sharing application in the medical field.
- Developed and tested the Java application using cryptography methods to ensure the security of data sharing between medical professionals and patients.
- Debugged and resolved coding issues with the guidance of my supervisor to ensure a high-quality application.

## Education

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### Ph.D. in Informatics and Information Processes

Penza State Technological University

Oct 2022 – Current

### Master of Science in Information systems and technologies

Penza State Technological University | Graduated with High Honors

June 2022

### Master of Science in Information Systems Security

University of Blida 1 | Graduated with High Honors

June 2019

### Bachelor of Science in Information System and Software Engineering

University of Blida 1 | Graduated with High Honors

June 2017

## Technical Skills

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**Data Analysis:** Proficient in data cleaning, transformation, and visualization using tools such as Excel, Tableau, and Power BI.

**Database Management:** Skilled in SQL database querying and manipulation, database design, and data modeling.

**Programming:** Experienced in Python for data analysis and scripting.

**Communication:** Fluent in French, English, Arabic and Russian in both written and verbal communication skills.

**Time Management:** Able to manage time effectively, prioritize tasks, and meet deadlines while maintaining high-quality work.

**Continuous Learning:** Committed to ongoing professional development, staying up-to-date with industry trends and new tools and technologies.