Sonya Helal

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PROFESSIONAL EXPERIENCE

Java Development Intern   **Algiers, Algeria**
Company "C.E.R.I.S.T"   *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.

Database Developer   **Penza, Russia**
Company "Settlement and Billing Solutions"   *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
- Created informative and effective documentation, reports and inline comments on 100% of code/work accomplished

EDUCATION

Ph.D. in Informatics and Information Processes   **Penza, Russia**
Penza State Technological University   *Oct 2022 – Present*

Master of Science in Information systems and technologies   **Penza, Russia**
Penza State Technological University | Graduated with High Honors   *June 2022*

Master of Science in Computer And Information Systems Security   **Blida, Algeria**
University of Blida 1 | Graduated with High Honors   *June 2019*

Bachelor of Science in Information System and Software Engineering **Blida, Algeria**
University of Blida 1 | Graduated with High Honors   *June 2017*

SKILLS

- Advanced proficiency in Microsoft Excel, Tableau, and Power BI
- Strong knowledge of Python and SQL programming languages
- Familiarity with HTML5, CSS3, JS and React
- Fluent in French, English, Arabic and Russian