# Aida Shams

Data and Business Analyst

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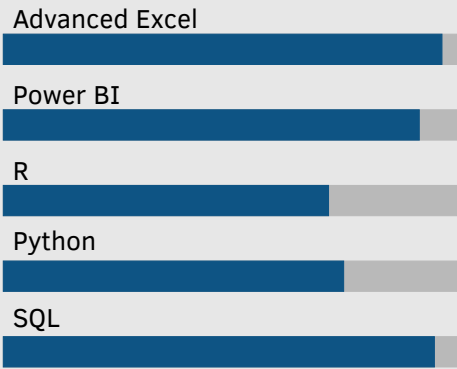
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## Skills

### Overview



### Programming

Advanced Excel

Power BI

R

Python

SQL

## About Me

I am Ida and I am super and cool

# Experience

| 2023–2023 | **Software Engineering Lead** | Dotmatics - OMIQ Team |

Led major refactoring projects in Go to enhance the architectural efficiency of our flow cytometry software. Managed the Jira board to streamline team workflows and advocated for agile best practices. Conducted a thorough readiness audit to ensure operational resilience and secure key management. Actively contributed to building and training a dynamic team, incorporating generative AI in the hiring process for improved candidate selection. Proactively reviewed and improved team PRs, and consistently monitored and reported on KPIs to drive performance insights, despite limited access to metrics. Skills: *Go, GCS, Kubernetes, Postgres, Jira, OpenTelemetry, Docker, Angular*

| 2022–2022 | **Senior Engineer** | Soul Machines - Platform Performance Team |

Designed and implemented an OpenTelemetry distributed tracing system to expose performance defects in the product. Solicited buy-in from stakeholders and closely managed the implementation and deployment process. The system delivered results almost immediately and led to directly measurable improvements in the product. Skills: *Agile, Jira, OpenTelemetry, GitHub, AWS, Azure, C#, TypeScript, Docker, Terraform*

| 2018–2022 | **Project Lead** | Sylo - Backend Development Team |

Managed the design of the Sylo Node. Also a primary architect of the Sylo Network. Grew and led an agile team of six people. Responsible for the full product development lifecycle: concept, research, implementation, deployment, scaling, iteration, maintenance, and support. Skills: *Go, Jira, AWS, Flutter, Elm, JavaScript, Libp2p, GitHub, Protobuf*

| 2016–2018 | **Software Researcher** | UoA - Physical Acoustics Laboratory |

Managed the development of a modular laboratory automation framework. Deployed into an academic research setting as the automation system for a laser laboratory. Published the framework in a US physics textbook. Skills: *Python, Elm, JavaScript, Github, C, Cython, Java, Lua*

# Education

| 2014–2016 | **Masters Degree | Computer Science** | University of Auckland |

First Class Honours - Artificial Intelligence

| 2010–2014 | **Bachelors Degree | Computer Science** | Oregon State University |

Summa Cum Laude