# Aida Shams

Data and Business Analyst


+64 21 022 55679

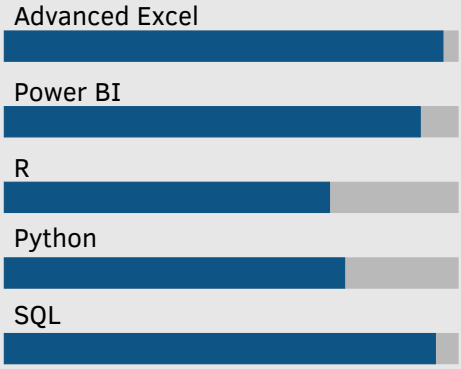
a.shams@auckland.ac.nz

linkedin.com/in/aida-shams-b0379577


## Skills

### Overview


### Programming




## Projects

## 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