Andrew **Liese**

Automation and Systems Specialist



About me

Technology consultant with 10 years' experience delivering innovative, data-driven, and automated solutions across the transport, water, and infrastructure engineering sectors. Proven ability to lead the full solution lifecycle — from needs analysis and architecture design through to development, deployment, and optimisation.

Contact

Andrew Liese
andrew.liese.79@gmail.com
Christchurch, New Zealand
+64 21 145 1932

Areas of specialization

- Systems Engineering
- Innovation
- Data Automation
- Leadership
- Solution Architecture

Interests

- Crafts
- Table Top Games
- Snow Sports
- DIY Projects

Online

Email
GitHub
LinkedIn

Short Resumé

2026–present

Senior Digital Advisor
GOGO LABS · Perth, Australia
Created technology and process roadmaps to guide clients on how to adopt technology in a manner that supports their people. Managed internal IT services and developed bespoke tools for internal and external workflow efficiencies.

2024–2026

Lead Automation and Systems Specialist
STANTEC · Christchurch, New Zealand
Worked on the deployment of Cloud Architecture for major projects such as the New Zealand Water reform, and the Stantec Design Factory while collaborating on the restructure for the management of code repositories and best practice for the use of technologies such as DevOps, Civil3D and Web Infrastructure

2019–2024

Senior Data and Systems Engineer
STANTEC · Christchurch
Designed and delivered complex web and desktop applications for major clients including SA Water, Yarra Valley Water, and Auckland Transport. The work for Yarra Valley Water won the Consult Australia Award for Innovation 2023. During this time Andrew took over the management of the Analytics Team's Cloud environment, moving it into Azure and undertaking the continual work to adhere to global best practice and policy. Given his background in Computer Systems Engineering and the role of Azure Lead Andrew was relied upon by several teams to consult internally regarding the architecture and data flow between various software systems.

2017–2019

Data and Systems Engineer
STANTEC · Wellington, New Zealand
Andrew Joined the Data and Analytics group within Stantec and began developing workflows to ingest and transform data to create insights for clients, these insights were typically delivered in the form of interactive web maps and dashboards using various development frameworks.

2015–2017

Intelligent Transport Systems Engineer
TDG · Wellington New Zealand
Andrew joined TDG off the back of his university degree to introduce new technology and innovative methods of working to the small company while also working towards becoming their expert in smart technology that can be apply to the road networks. While serving those roles Andrew began to identify opportunities within the business that could be optimised with smarter, more automated methods. He developed a series of scripts, programs and android apps (for field data collection) to streamline process, many of which are still being used today

Qualifications / Awards

2015 **Computer Systems**
BE(Hons) · University of Auckland

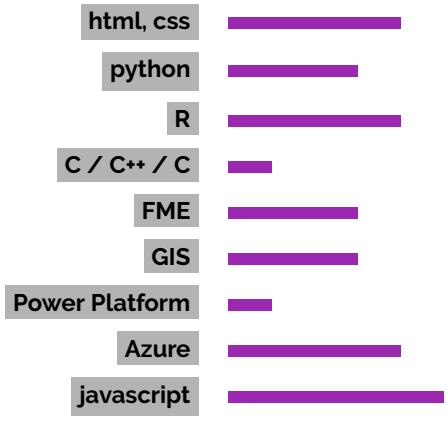
2022/23 **Innovation Award**
Consult Australia ·

Talks

2020 "Conflict analysis with real-time video analytics", at: *Transport NZ Engineering Conference* in Christchurch, 2020.

2022 "Smart Sewer Networks", at :*Water NZ Conference* in Christchurch,2022.

Programming / Tools



Significant Projects

2019–2021 **Utility Data Portal**
System Engineering · Australian Defense
Assisted in the design and lead the construction of a data management portal for Australian Defense to track the Power, Gas and Water usage across all miliary bases.

2024–2025 **Demand Forecast Tool**
Full Stack Developer · South Australia Water
Lead the design of the Dataflow and Cloud Architecture a tool to create, store, manage, and run machine learning models for South Australia water. Collaborated on the build as the Front end and Database engineer

2021–2022 **Smart Sewer Tool**
Data Engineer · Yarra Valley Water
This was the project that won the 2022/23 Innovation Award at Consult Australia. This project looked at the automatic, data driven creation of a masterplan to connect over 10,000 unsewered properties to the existing network with cost estimates for network upgrades, new pipes and pump stations. This tool condensed hundreds of hours intio a fraction of the work and allowed the delivery of an almost impossible deadline

2019–2026 **Azure Systems Manager**
Cloud Architect · Stantec APAC
Led the Architecture and Deployment for all Azure solutions within Stantec APAC for Water and Transport engineering. Additionally worked to outline best practice and polices to align with the global standards