

# Chris Vroegop

Software Engineer with a strong Cloud and DevOps background

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## Selected Experience

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Application Engineer

Accenture

.NET Developer

2023

Accenture myWizard RPA360

- Developer on the myWizard RPA360 system, performing distributed cloud-based monitoring of hundreds of client RPA systems.
- Enhanced reliability and fault recovery for a .NET WinForms/C++ Win32 client application.
- Migrated SignalR orchestration component to .NET 6 and SignalR.

Build Lead

2022-23

Major Hardware Retailer

- Planned and oversaw Accenture delivery of a data mesh built on C#/.NET, Azure EventGrid and Kubernetes, as well as an ETL solution built on Apache Spark and Azure Synapse.
- Primary liaison between client staff and offshore development team of 11 developers and 4 QAs.
- Independently implemented multiple real-time data ingestion pipelines with Azure configurations

AWS Engineer

2022

Major Transportation Company

- Delivered integrations between Salesforce, billing and in-house systems through MuleSoft and custom TypeScript/Java code running on an AWS serverless framework (Lambda/Step Functions/SQS/API Gateway).
- Built a Python framework for automating health checks on deployed AWS resources and integrated into project Jenkins pipelines.
- Collaborated extensively with onshore and offshore teams to triage bugs during major go-live.

Junior Data Scientist

2018 - 2021

Watercare Services Ltd

- Developed a complex water usage forecasting application in Python, and supported deployment to AWS as a serverless application.
- Validated, unit tested and containerised two legacy R Shiny applications with Docker/Fargate, and produced Terraform and Jenkins scripts for productionisation in an AWS environment.
- Oversaw a major internal tooling upgrade, delivering a shared RStudio Server, JupyterLab server running on EC2/nginx.

## Engineering Portfolio

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### GrayOut Windows application

- Win32 utility application written in C++ 20.
- Sets PC screen to grayscale on a schedule to reduce stimulation/distraction.
- Source code and builds available [here](#).

### Personal website – [chrisvroegop.com](https://chrisvroegop.com)

- SPA written in React.js.
- Includes a fully-functional Tetris implementation.
- Hosted on AWS using S3/CloudFormation.
- Source code available [here](#).

### Spatial Equity Project Aotearoa

- Project to map and visualize access to amenities in New Zealand towns and cities, including parkland, hospitals and schools.
- Includes an [R library](#) and [report](#).

## Education

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Bachelor of Science/Bachelor of Commerce      2018 -21  
University of Auckland

*Majoring in Computer Science, Statistics and Economics*

- 8.4/9.0 GPA
- Awarded an A+ in twenty papers.
- Top in Course Award (Economics)
- Two Certificates of Distinction (Mathematics, Statistics)
- Ten Certificates of Outstanding Achievement (Computer Science)

## Certifications

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- Microsoft Certified DevOps Engineering Expert
- Microsoft Certified Azure Administrator
- AWS Certified Solutions Architect – Associate
- AWS Certified Developer – Associate

## Personal Interests

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- Hiking and the great outdoors.
- Yoga
- Hackathons
  - Winner of GovHack 2023 Victorian EV Uptake Challenge.
- International travel/backpacking.