Chris Vroegop

Software Engineer with a strong Cloud and DevOps background

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Selected Experience

Application Engineer
Accenture

.NET Developer   2023
Accenture myWizard RPA360

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

Build Lead   2022-23
Major Hardware Retailer

- Planned and oversaw the fixed-contract 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 and deployed to Azure.

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 Accenture teams to triage bugs during a major go-live.

Junior Data Scientist   2019 - 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 and JupyterLab server running on EC2/nginx.

Engineering Portfolio

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
- 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

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).

Certifications

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

Personal Interests

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