

Innes Anderson-Morrison

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<https://github.com/sminez>

SUMMARY

I am a principal software engineer with a proven track record in designing, implementing and delivering reliable back end web services and developer tooling. I have prior management experience and I am passionate about designing and building systems that compose well.

Currently I am in charge of an internal enablement team developing systems to support and accelerate engineering teams at Anaplan. The tooling I write has dramatically improved the company's release cadence, supportability of production systems and day to day work experience of our engineers.

Outside of work I develop open source software and carry out research into Clifford Algebras and fundamental physics as part of the Quicycle society.

EDUCATION

<i>Bachelor of Engineering,</i>	University of Glasgow, 2006 - 2010
Audio and Video Electronic Engineering	
<i>PGCE,</i>	University of Manchester, 2012 - 2013
Teacher of Mathematics and Physics	

SKILLS

Software architecture, API design, back-end web services, developer documentation.
Rust, Go, Python, Posix Shell, SQL, Groovy, GraphQL, AWS, Docker, Kubernetes, Jenkins.

EXPERIENCE

<i>Principal Software Engineer</i>	July 2023 - Present
Anaplan, York UK.	

- Technical Lead for a wide variety of internal tooling and managed CI/CD offerings for Anaplan engineering teams.
- Involved in the specification and implementation of multiple company wide initiatives.

<i>Software Engineering Manager</i>	Nov 2021 - July 2023
Anaplan, York UK.	

- A combined Manager and Technical Lead position to maintain autonomy and support the team's ability to react quickly to changing user needs.
- Responsible for the team's roadmap, prioritisation of incoming work and overall design and implementation of our systems.

<i>Senior Software Engineer</i>	Nov 2020 - July 2023
Anaplan, York UK.	

- Promoted following the success and adoption of the tooling and services developed to support Anaplan engineering teams with their path to production.
- Further increased release velocity to now be shipping changes daily for dozens of independent services.

<i>Software Engineer</i>	Jan 2019 - Nov 2020
Anaplan, York UK.	

- Tech lead for a small enablement team driving improvements to the build and release process of Anaplan's New User Experience.
- Improved a monthly release cadence down to multiple releases per week through development of tooling and automation to support the release process.

Technical Specialist Software Developer

Feb 2018 - Jan 2019

Stockholm Environment Institute, York UK.

- Development and operation of multiple full-stack web services written in Python (Django) and JavaScript.
- Development of a mathematical analysis plugin for the LEAP IBC program used for modelling climate impact from pollutants.

Software Engineer

May 2016 - Feb 2018

Cocoon Labs, York UK.

- Back end web development using Python and Go along with DevOps work based primarily around writing and maintaining multiple services deployed to AWS.
- Creation of developer tooling, data analysis, database management and report generation.

ADDITIONAL PROJECTS

The Penrose window manager library

Jun 2020 - Present

<https://github.com/sminez/penrose>

- I am the author and maintainer of the Penrose X11 window manager library on GitHub. The library, documentation and accompanying video series allow users to write their own fully customised tiling window manager in Rust.

The Quicycle Society

Mar 2016 - Present

<https://quicycle.com>

- I am a researcher and board member of the Quicycle Society lead by Dr John G. Williamson. The society works to advance our understanding of fundamental Physics through the development of analytic, testable theories.
- My role in the society is around the development of a modified Clifford algebra to enable efficient, analytic calculation of physical processes. As a related endeavour, I also work to produce software that aids our researchers and allow for direct modelling of the theory so it may be compared to experimental results.