



E.R.I.C.A.

Evo Reference Implementation Client App

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Introduction

Sequent Evo is an evolving ecosystem of software that provides users with reusable geoscience solutions. It is releasing Evo APIs that allow users to exchange data between Sequent and third-party apps. There are no apps to demonstrate the APIs, which would inspire external developers to create their API integrations.

Goals

- To create an App, as a Proof-of-Concept.
- To work with Sequent OAuth system.
- To deliver code that shows how to communicate with Evo APIs.

Learnings

Professional

Teamwork
Presentation skills
Problem-solving
Initiative

Technical

OAuth 2.0 Authorisation
React and React-Bootstrap
JavaScript APIs
Postman API Testing

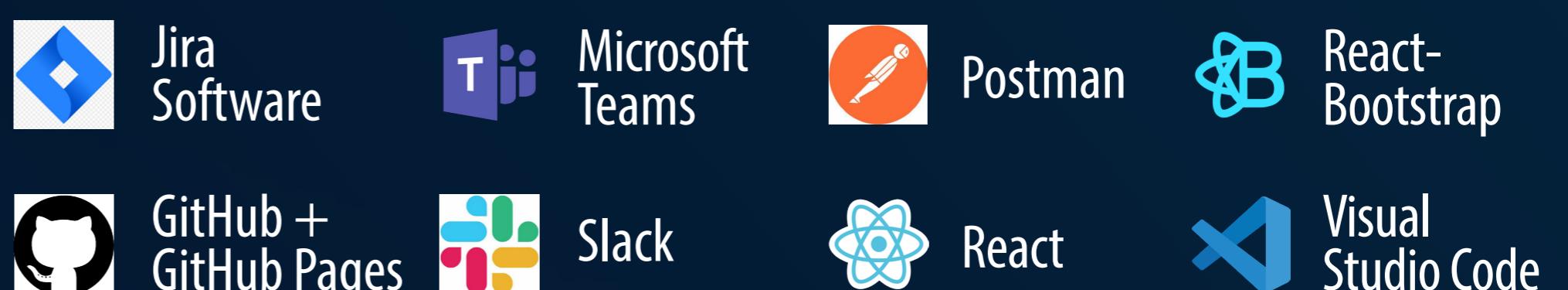
Kanban¹ Method

- Divide user stories into sub-tasks.
- Visualise and manage workflow, limit work in progress, and improve collaboratively.
- Figure 1 shows a simplified version of this process.

Figure 1
Kanban Board Process

To Do	In Progress	Done	
v User Story 1			
Sub-Task 4	Sub-Task 3	Sub-Task 1	Sub-Task 2

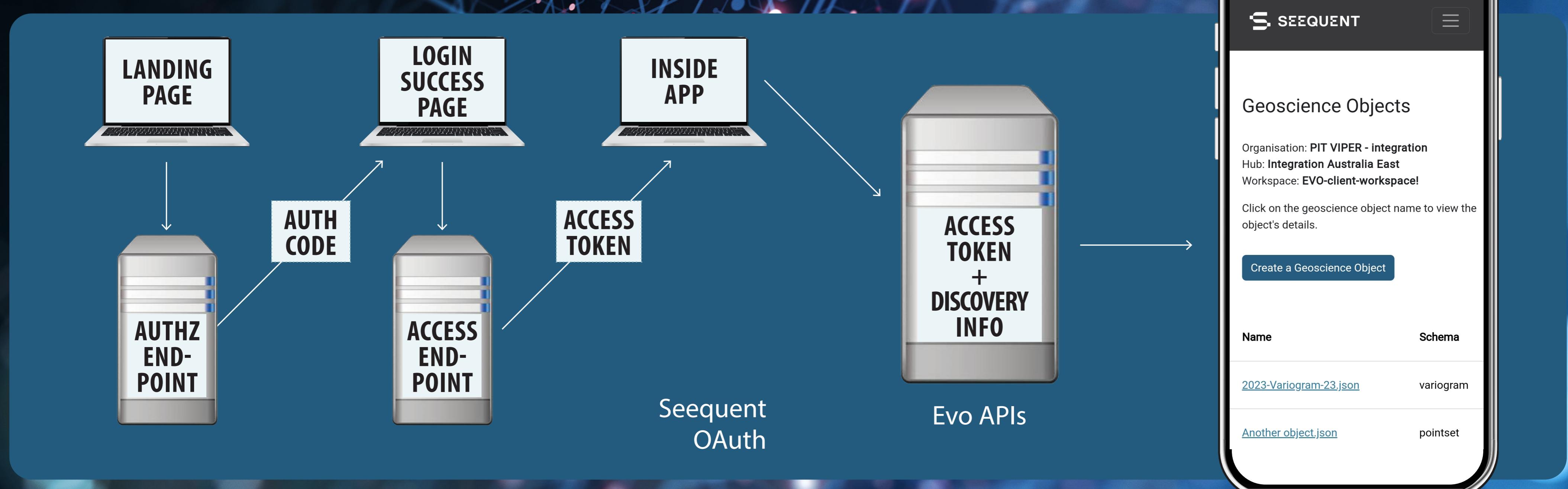
Tools



Outcomes

Figure 2 shows components of the App.

Figure 2
Data Flow in E.R.I.C.A.



Conclusion

The E.R.I.C.A. project developed a fully working App that uses Sequent Evo APIs. The source code of the App helps external developers better understand how to use them.

Supervisors

Course Convenor: Dr David Weir (david.weir@ara.ac.nz)
Academic Supervisor: Dr Luofeng Xu (luofeng.xu@ara.ac.nz)
Industry Supervisor: Brendan McDermott

See My App

References

Kanban University. (2022, December). The Official Guide To The Kanban Method. Retrieved from <https://kanban.university/kanban-guide/#download>

