

RapidAnalysis

Smart Utilities for low-code AI implementation



A glowing lightbulb hangs from the ceiling, casting a warm light. Below it, a group of people are seated around a table, working on laptops and papers. The background is a blurred office or meeting room with plants and bookshelves.

**So, you just launched your startup
as a non-technical founder.**



**But, AI is turning out to be
expensive and tough to integrate.**

Different APIs for Chat, Image Gen, and number crunching



**Well what if you could solve
all you AI needs with one utility?**



RapidAnalysis is a collection of quick and easy AI driven utilities including:

- **LLM Chat with RAG**
- **Summarisation**
- **Image Classification**
- **Text Recognition**
- **And more...**

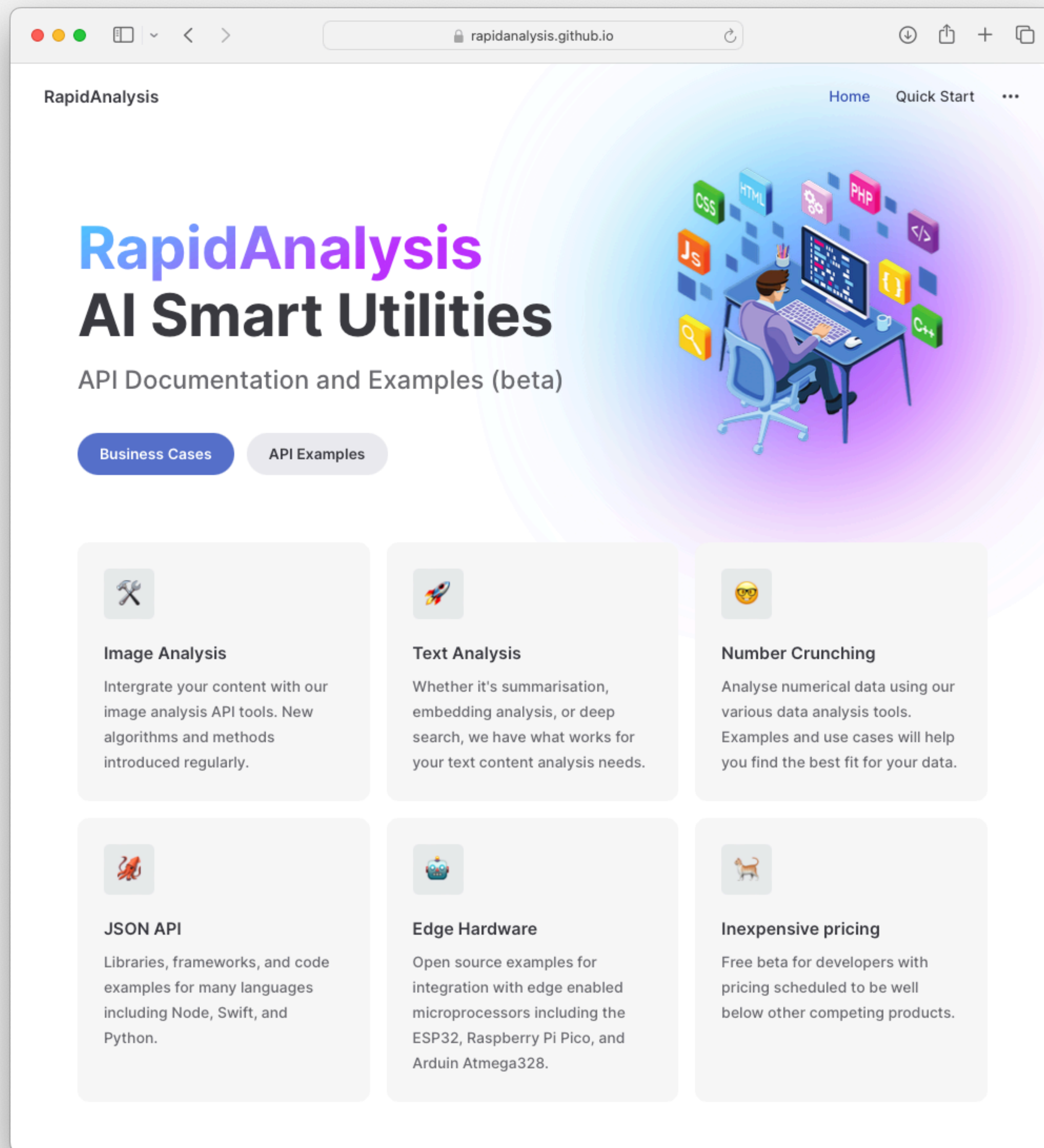


RapidAnalysis works on the cloud and locally using our device:

- **Private and secure AI**
- **Own and control your training**
- **Launch your own AI Cloud**
- **Store images and documents**



And we won't stop introducing new utilities...ever!



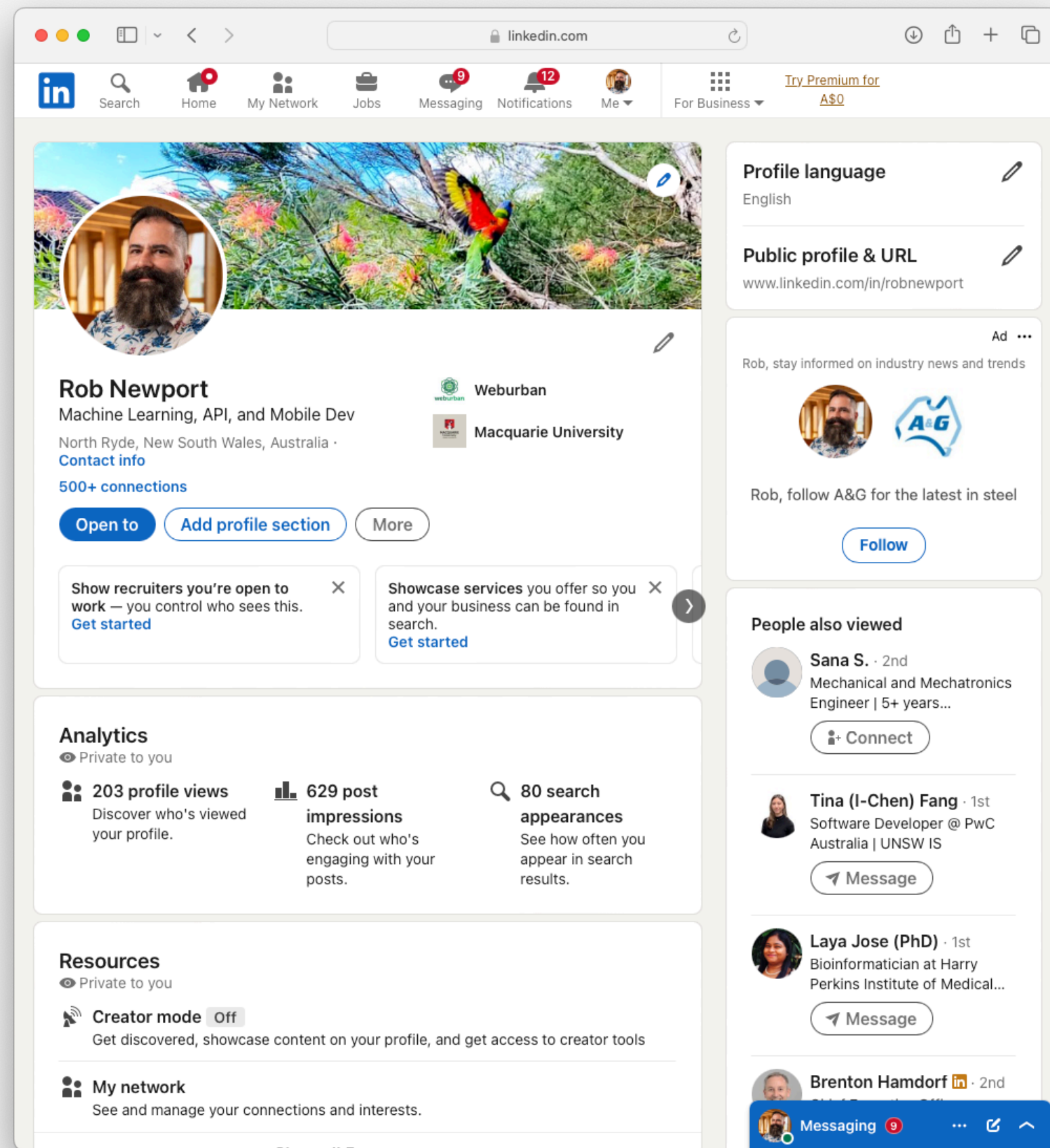
It's live right now:

In beta:
rapidanalysis.github.io

In development:
dashboard.rapidanalysis.com:5000

How did I get here?





My background includes 20+ years in the US startup ecosystem.

I have co-authored almost a dozen patents.

Primary author on several ML papers, including one featured at NeurIPS 2022.

Principal tech lead in many startups.

PhD in computational neuroscience.



COMP3850 ideas:

Use RapidAnalysis API to develop a bot using the Slack API.

Group 2: Discord API?

Activity Dates: 19/02/2024 - 31/05/2024 (~14 weeks)

Activity Description: Recommended for Software Stream: Software Technology, Web and App Development and ISBA/BIS majors. This activity will be completed ONLINE.

*The project is **open source** and no Non Disclosure Agreement is needed. The student can take ownership of the project or fork it and make their own changes after the project is over. All code will be submitted and integrated using GitHub (<https://www.github.com>).*

Required student skills:

The Slack App API works with Python, Node, and Java SDKs so any of these languages will work for the project. Students should be comfortable with any of these languages, and GitHub for checking in code.

Activity Description:

This activity will develop a fully featured Slack App available on the Slack Market Place implementing the RapidAnalysis Machine Learning API (similar to ChatGPT). The app can be written in Java, Python, or Node. Requirements will be provided during the Discovery Phase but will be flexible enough to provide some freedom for your teams unique implementation. The intended outcome will be to produce an intelligent Slack Bot using the RapidAnalysis Machine Learning API. All participants will have full attribution on this open source Slack App project. Your mentor (Dr Rob Newport) is a senior software engineer with several decades of experience in the US and Australia and will role play as Project Manager, Client, and QA Tester. The project Lead Dev will change every week to allow all students a leadership opportunity.

Tasks:

Lead Developer (changing): Assist PM with Sprint estimation, final approval on pull requests, help developers with problems, refactor and manage tech debt.

Architect (changing): Assist Client with high level code discussions. Assist in Client Discovery.

Development (everyone): Make a pull request, write some code, check it in, get it approved by the Lead Developer.

Supervisor can help with any and all coding challenges. However, the students will be encouraged to use the Lead Developer and Architect dynamic in the group to overcome challenges.

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Robert A. Newport - October 25, 2023