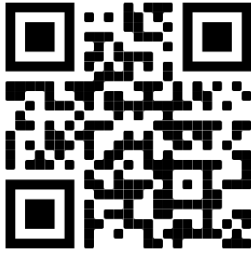


# Guyren Gerard Howe



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SQL | Database | Postgres | Ruby | Rails | Elixir | Tableau |  
Flutter | Technical Writing | Training

Experienced full-stack (web/mobile/desktop) developer with strong foundational software/data design expertise.

Experienced technical writer and trainer

- Extensive programming experience with **Ruby, Elixir, Flutter**
- **Database development** experience (MySQL, PostgreSQL, Microsoft SQL Server, Oracle) particularly PostgreSQL
- Extensive technical writing experience
- Experienced **trainer** and **presenter**
- Familiar with Artificial Intelligence technologies (esp Cyc <http://cyc.com>)
- Formal education in **computer science, mathematics, economics, philosophy**
- Government **economic research** experience

## Employment History

**Senior Engineer:** Rails-based golf simulator competition back end at Foresight Sports

**Consultant 2006–** (intermittently): Consultant through Relevant Logic LLC, software development

- Developed a variety of Rails-based projects for small businesses

**Senior Engineer 2021–2022:** Elixir/Postgres project

- Senior developer on Elixir patient scheduling product

**Senior Developer (CoverMyMeds) 2017–2021:** Ruby on Rails development and data analysis.

- Senior engineer on core back end team. SQL Server/Postgres/Rails reliability engineering.
- Data analytics using SQL and Tableau

**Database Engineer (TaylorMade Golf) 2015:** Back end for golfing app.

- GIS/mapping work to generate maps and information about golf rounds using PostGIS

**Ontologist/Programmer, Cycorp, 2001–2005:**

- Company DBA
- Worked on integrating the Cyc AI with databases (Postgres, SQL Server, Oracle, MySQL)
- Wrote documentation for ResearchCyc
- Represented Cycorp at DARPA meetings
- Wrote proposals

**Consultant Programmer 1999-2002:**

- 4th Dimension and Xojo development and technical writing.

**Technical Support Engineer, 4th Dimension Inc, 1997–99:**

- technical support, technical writing, training for 4th Dimension relational database.

**Consultant, Namadgi, 1997:**

- 4th Dimension, 5pm Pro and internet services consulting for an Australian software distribution and computer consulting company (a mix of 4th Dimension and internet service technical support and development/technical writing for a real estate services management application).

**Computer Science Tutor, Australian National University, 1995-96**

**Technical Support, Dept of the Attorney-General, 1992–1995**

**Economic Policy Research, Dept Industry, Technology and Commerce, 1990–1992:**

- research and policy work for an Australian government department, resulting in significant cost savings for Australian Defence Force and expansion of domestic market for grocery industry.

## Publications:

**Learn OOP with Xojo** (30,000 word book; second edition forthcoming)

**Databases with 4th Dimension**

## Blogs

Databases: [lydb.xyz](http://lydb.xyz)

Other stuff (AI/Economics/Politics...) [guyren.me](http://guyren.me)

Research: [frest.substack.com](http://frest.substack.com)

## Education

**Australian National University**

**BSc (Math/Computer Science) 1994**

**BEc (Economics) 1995**

**BA (Hons) (Philosophy) 1997**

## Other

Presented at Railsconf 2016:

**Keyword Args: the killer Ruby feature you aren't using**

<https://confreaks.tv/videos/rubyconf2016-keyword-args-the-killer-ruby-feature-you-aren't-using>



Presented at PostgresConf 2024:

**Postgres's type system**

<https://postgresconf.org/conferences/2024/program/proposals/postgres-s-type-system>

