

# Fiona McCawley

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## EXPERIENCE

### [CipherStash](#) — Software Engineer

Mar 2022 - Nov 2024

Cybersecurity startup building queryable encryption and key management software.

*Tech used: Ruby, Elixir, Rust, Go, Typescript (React), GraphQL (Absinthe, Apollo), PostgreSQL.*

### [Assignar](#) — Software Engineer

Mar 2021 - Mar 2022

Compliance, asset & workforce management software, for construction contractors.

*Tech used: Python, Typescript(React), GraphQL (Apollo), PostgreSQL.*

### [Alembic](#) — Software Developer

Mar 2020 - Dec 2020

Software consultancy in Sydney.

*Tech used: Elixir, Typescript (Node, React), GraphQL (Apollo client and server), PostgreSQL.*

### [Expert360](#) — Software Developer

Aug 2017 - Mar 2020

Marketplace that connects consultants to companies from start-ups to leading organisations.

*Tech used: Elixir, Typescript (React), GraphQL (Relay), Elasticsearch.*

### [Macquarie Group, Sydney](#) — IT Support Analyst

Oct 2010 - Dec 2016

### [Macquarie Group, Sydney](#) — Audio Visual Technician

Feb 2008 - Oct 2010

### [IHG, Sydney](#) — Audio Visual Technician

Jan 2006 - Feb 2008

## TALKS

### Encrypted Search Party.

Ruby Conf Australia, Feb 2023 [YouTube](#) | [GitHub](#)

### Sensors, Beers and Nerves.

Elixir Australia, Feb 2021 [YouTube](#) | [GitHub](#)

### Event Sourcing with Commanded.

Elixir Australia, May 2020 [YouTube](#) | [GitHub](#)

### Is Inclusion Enough?

Panel discussion @ Canva, July 2019, [YouTube](#)

### Intro to Elixir

DDD Sydney, August 2018, [YouTube](#)

## EXAMPLES OF SOME WORK AND PR'S

[GoEq](#) - Package to serialize/deserialize data to integrate a Go/Xorm app with CipherStash.

[Encrypt Query Language](#) - Abstractions for transmitting, storing, and interacting with encrypted data and indexes in PostgreSQL.

[Toy ORE Library](#) - Ruby gem built to get an understanding of how Order Revealing Encryption (ORE) works.

[ProtectRB](#) (deprecated) - Ruby gem that provides searchable encryption for ActiveRecord models.

[ActiveStash](#) (deprecated) - Ruby gem that creates an external encrypted index for ActiveRecord models.

## EDUCATION

### General Assembly, Sydney — Web Development Immersive

Mar 2017 - Jul 2017

### SAE Institute, Sydney — Advanced Diploma, Audio Engineering

Feb 2004 - Dec 2006