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Summary

Over the past 12 years, I've been curiously learning and discovering how to foster teams that trust each other, so they can create high-quality software that solves real problems for real people.

Ruby is my first love, but I have developed software written in many languages, including Kotlin, Clojure, Python, TypeScript, & Java. Writing some Rust for fun too.

I believe clear leadership & strong communication are just as necessary as raw talent. I aim to be the best communicator I can be in all my relationships, and show empathy, clarity, and a servant's heart to those in my care.

Everyone has superpowers, everybody has limitations. My teams play to each other's strengths, are careful with each other's limitations, and strive together to do the best job we can.

I'm a discoverer at heart; I like drawing connections & solving problems. Give my team a problem, and we'll help you find a solution. And if there isn't an existing solution, we'll build one with you.

Experience

Software Engineer

Block

Apr 2022 - May 2023 (1 year 2 months)

April 2022 – Health, Identity & Limits

Lead Software Developer

Cogent.co

Sep 2021 - Apr 2022 (8 months)

(C) Engineering Manager

Square

Nov 2020 - Apr 2022 (1 year 6 months)

I am leading the Financial Crimes Tooling team for the Seller side of Square. We enable Square to be compliant with financial regulations & help catch bad guys moving money.

(via Cogent.co)

Senior Software Developer

Cogent.co

Jun 2017 - Sep 2021 (4 years 4 months)

I make software, I think about people's problems and help solve them, and I invest in my colleagues :)

Clients I have worked for include:

- Square Payments
- Oculo
- Chargefox, Australia's largest EV charging network
- Qantas Group Accommodation
- A leading mental health startup
- Culture Amp
- Tribal Habits

I've built software written in Ruby, Clojure, and modern Javascript.



(C) Senior Software Engineer

Oculo

Aug 2020 - Oct 2020 (3 months)

Worked as part of Oculo's delivery team, implementing new features in health data interop via FHIR and other 3rd-party integrations.

(via Cogent.co)



(C) Senior Software Engineer

Qantas

Sep 2018 - Mar 2020 (1 year 7 months)

Worked at Qantas Hotels on the core Ruby platform, then at Qantas Holidays building new flight booking services in Clojure.

(via Cogent.co)



Software Developer

Cogent.co

Nov 2014 - Jun 2017 (2 years 8 months)



(C) Software Engineer

Culture Amp

Apr 2016 - Apr 2017 (1 year 1 month)

Worked on employee data import, connecting HR systems to Culture Amp's platform for improved onboarding experience.

(via Cogent.co)



Solutions Architect

MessageXchange

May 2013 - Nov 2014 (1 year 7 months)

* Designed system architecture for SOA-based suite of Ruby on Rails applications.

- * Improved team processes and development/deployment workflows.
- * Setup and maintained CI infrastructure for the Ruby team.



Ruby on Rails Developer

Locomote

Aug 2012 - Mar 2013 (8 months)

Worked as a developer on Locomote's team for their Travel Management Platform, doing both backend and frontend tasks.



Developer

CoreMind Pty Ltd

Jul 2011 - Aug 2012 (1 year 2 months)

Business workflow solutions based upon Ruby on Rails.

Browser-based solutions for:

- * Windows automation
- * PDF manipulation



Frontend Developer

Feb 2010 - Jul 2011 (1 year 6 months)

- * PHP-based Web Development for a large Web Application
- * i18n of existing web application
- * Javascript development using the YUI 2/3 frameworks
- * Maintain Ruby-based deployment tools
- * Data mining using Splunk
- * Designed Ruby/Selenium-based functional testing framework



Research Intern

Swinburne University of Technology

Dec 2009 - Feb 2010 (3 months)

Conducting a short-term research project in the Faculty of ICT.

Working with the GLoo programming language, an experimental functional programming language built to facilitate research into programming language design.

I successfully demonstrated JNI bindings could successfully work with the GLoo paradigm, building a sample Logo-like language that could be configured to interact with both Swing (native Java) and NCurses (via JNI).



Final Year Project Student

Thales

Mar 2009 - Nov 2009 (9 months)

Solution Architect / Design Lead

Multi-threaded Air Traffic Model

- * Java-based
- * OpenGL rendering
- * Flight path modelling



Tutor

Swinburne University of Technology

Mar 2007 - Mar 2009 (2 years 1 month)

Semester 1, 2009: Software Development Practices

Semester 2, 2007: Object-Oriented Programming (C#)

Semester 1, 2007: Introduction to Programming in .NET (VB)



Student Software Developer

Defence Science and Technology Group (DSTG)

Jan 2008 - Dec 2008 (1 year)

Software developer in the Missile Simulation Group of Weapons Systems Division at DSTO Edinburgh, South Australia.

- * C++ drivers for digital I/O
- * Python-based inventory management tools



Property Consultant

Whale & Company Real Estate

Apr 2003 - Dec 2007 (4 years 9 months)

Started out doing admin work, but ended up knowing the business from the inside out!

Responsibilities I held (not all at once, though!):

- * Built a sales results analysis database using sale results in the area, leading to a number of high-profile listings
- * Building the backend and procedures for a property management section, from scratch
- * Internal auditing and reconciliation of the office's trust account
- * Sales process management
- * Property Management
- * Copy editing & proofreading
- * Liaising with clients' conveyancers to negotiate early deposit releases.

Education



Swinburne University of Technology

BSc, Professional Software Development

2006 - 2009

Minor stream in web development (including Web Services).



Real Estate Institute of Victoria

Certificate in Real Estate, Agents' Representative

2004 - 2004

Licenses & Certifications



Two-Day Facilitation Training Program - Groupwork Centre



Mental Health First Aider - Mental Health First Aid® Australia

Issued May 2023 - Expires May 2026

Skills

Financial Compliance • Node.js • Team Leadership • Stakeholder Engagement • PostgreSQL • Ruby
• Domain Modeling • Mentoring • Psychological Safety • Lean Software Development