

# Resume of REBECCA SCOTT

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## keyword bingo

I've recently been moving into **team leadership** and **management** roles, where I've enjoyed **solving business problems** at a higher level while still going deep on technical issues, as well the challenges of **remotely running** a small dev team and **contributing to management conversations and decisions**. I've been able to accept that I don't need to completely understand an issue to be able to manage the right people to solve it.

I think of myself as a **generalist full-stack developer**, having worked on **web, mobile, embedded, and desktop** applications. I enjoy using **React** and **Angular** but I also have extensive experience with **KnockoutJS, jQuery**, and in the native **DOM**. I'm equally comfortable with **ES5, ES2015** and **TypeScript**. I've used a mix of **Ruby on Rails, ASP.NET MVC, WebAPI**, and **NancyFx**. I'm experienced with **Entity Framework, MassTransit** over **RabbitMQ**, and with **NimbusAPI** on both **Azure Service Bus** and **Windows Service Bus**. I've used **Ruby on Rails** recently, using **Sidekiq, Postgresql**, and **RSpec**. I write C# tests using either **xUnit** or **NUnit**, **Shouldly** or **FluentAssertions**, and always with **BDDfy**. I use **Karma** and **Mocha** for JavaScript tests. I can hack together some simple C++ for embedded **Particle.io** projects.

I mainly use **Sublime Text** these days for RoR, React, and other front-end work, but I'm pretty handy in **Visual Studio** and **VSCode**. I'm a huge fan of **Git**, working mostly on the command line both in **Bash** and **PowerShell**. I use **GitHub**, **GitHub Enterprise**, and **Bitbucket**. I'm a supporter of the **pull request** model and think that **code reviews** can really help with **team collaboration**. I'm comfortable **setting up Windows and Linux server environments** and a **build pipeline** using **TeamCity** and **Octopus Deploy**. I use **Trello** and **Jira** for project management but I'm not adverse to **cards on a wall**.

I've got past experience with **PHP** and **Sinatra**, and with **Java** and **Visual Basic** a very long time ago. I've used **MS Office** interop features to build tools that I'm still perversely proud of. I have some **network** and **server management** experience, including **DNS** configuration, **Active Directory** management, **Exchange** and **Office 365** configuration, **Hyper-V** and **IIS**, and **Linux** server management. I have experience with **AWS**, setting up **EC2 instances, ELBs, S3** and **Route 53** configurations.

I am a **certified Scrum Master (PSM 1)** and use **agile & lean methods** day to day. I enjoy **mentoring** and finding **leadership roles**, and continuing my **professional development**. I'm interested in **humans** and human problems, and enjoy finding technical and non-technical solutions to those problems.

## interests

I'm excited by **functional and declarative programming** and languages such as **F#** and **Haskell**, as well as **React Native** as an alternative rich client environment. I'm into **alternative energy** and conservation, especially practical engineering aspects, **woodworking**, playing **guitar** and **ukulele** when I can find the time, **biology** including new developments in evolution and health, finding a reasonable **chai latte**, **ergonomics** from both a health and design perspective, **architectural** and **industrial** design, **gardening** and one day setting up hydroponics and aquaculture projects, **IoT**, novice **electrical engineering**, **3D printing**, and educating my offspring in logic, philosophy, Monty Python, and the fine arts.

## past wins

Managed the **development and maintenance of a product** under challenging circumstances. The product was eventually sold to the major customer and I was deeply involved in the successful handover.

Built a **hybrid iPhone and iPad application** that is used by the Australian arm of a multinational pharmaceuticals company for their internal health and safety initiatives. The app was being evaluated

for internationalisation and a global rollout.

Lead a small team within a state government department to deliver new **geospatial and mapping** features to an internal web application that supports an important environment management and risk mitigation program.

Part of a team that delivered an **events management application** with an Azure backend and WPF and ASP.NET MVC front-ends, including scalability to support reasonable amounts of data and traffic during ticket sales.

Developed an **XML based reporting framework** which renders a report to a number of final formats including PDF, HTML and CSV, using a heady mix of XSLT, Razer, IKVM.NET and Apache FOP. This framework simplified development and allowed the system to scale from one-off reports to 5000 sheet bulk report runs, while maintaining consistency between the different output formats and front-ends. I've since open sourced the framework (Crispin) and it is used in several commercial systems.

Created **tools to import data** from a legacy console application into Capricorn Investment Partners' internal system, which was used during a merger with another financial planning firm to bring around 120 new clients on board, saving around \$40000 in manual data entry costs. I also created another tool to support the merger which **extracted scanned documents** from a proprietary but defunct and otherwise inaccessible system, saving another \$20000 in manual processing.

Built an **investment portfolio modelling** tool, which financial planning staff use to model changes to single or bulk portfolios and generate client authority sign-offs, which can be printed or authorised online by clients. The tool uses an interface to the ASX's CHESS system to speed the settlement process and to keep the data in the internal system consistent and correct.

## experience

### CTO at WORK180

2019

As CTO I covered a lot of areas, including interviewing candidates and making hiring decisions, looking after the IT budget, mentoring and assisting the developers to help resolve technical issues, formulating the IT strategy for the next 3 years, and making large technical and design decisions. I had to run several meetings throughout each week, as well as participate in leadership team meetings. I managed a successful migration from a third-party system to our own system, based on ASP.NET Core, React, and Node.js, and hosted on AWS infrastructure.

### Senior Full Stack Engineer at Livewire Markets Pty Ltd

2017 – 2018

Employed as the company's first (and, at the time, only) development hire, taking over the development and maintenance of a RoR site that is the basis of the company (livewiremarkets.com), working with the product manager to implement new initiatives and improve existing features. Introduced React and Rails APIs to support the creation of new features with dynamic UIs as components used within the existing, largely ERB based solution – a hybrid app. Documented the developer setup process and built Vagrant scripts to create a repeatable and efficient developer environment. Introduced a development backlog and conducted dev planning sessions to maintain the backlog, allowing higher value work to be introduced and scheduled within the context of the product manager's goal based 12 month plans. Assisted with the hiring process for new developers.

### Senior engineer (5 months) then Head of Technology (6 months) at Ideacraft Pty Ltd

2016 – 2017

Initially engaged as developer, building and refactoring an in-development product under the CTO's technical direction. Promoted to Head of Technology with the outgoing CTO's

recommendation. Managed the challenging ongoing development and support of the product, which suffered from early design decisions and a difficult customer. Successfully handed the product over to the customer. Design and early development of a second product which used BTLE beacons to trigger location-based events and record analytics, as a SaaS product to be consumed in location-aware applications. Managed ongoing development a small team. Contributed to management-level conversations and decisions, including liaising with suppliers and customers, interviewing candidate developers, helping with hire and fire decisions, and having very tough conversations at all levels.

## **Senior developer at Readify Pty Ltd (now Telstra Purple)**

2013 – 2016

Consultant for a number of clients in Brisbane and across Australia, including software development, working with users, translating business requirements, mentoring other developers, some team leadership roles, and promoting agile methods and a high level of code quality.

## **Private contracting**

2012 – 2014

Delivering IT consultant and software development services to a number of clients in the Rockhampton and Capricorn Coast region.

## **IT manager at Capricorn Investment Partners Limited**

2006 – 2013

Network and desktop support and developing in-house systems for a financial planning firm based in Rockhampton with satellite offices.

## **Helpdesk manager at DigitalRez Australia**

2005 – 2006

Telephone and remote desktop support for Australian and New Zealand users of reservation management software, including SQL Server management and report design.

## **Web developer at FM Studios**

2005 – 2006, consultant until 2014

Front- and back-end development using PHP. I continued to do contract work for FM Studios until around 2014.

## education

### **Certified Scrum Master (PSM 1)**

Completed 2014

### **Bachelor of Information Technology (Software Engineering) at CQ University**

Completed 2001