

RICH CHURCHER | RESUME

- » **Tech:** Linux, AWS, Postgres, Infrastructure as Code, Observability. Python, TypeScript, Go, Rust, SQL, Bash. CloudFormation, CDK, Terraform, Docker.
- » **Human:** Compassionate communicator. Mentorship and collaborative teaching. Good at making computers work for humans, not the other way around.

»»» Experience

Apr 2021 - Present	Senior Software Engineer	Spidertracks
<ul style="list-style-type: none">» An aircraft tracking, insights and safety platform for the general aviation market.» Wide variety of AWS infrastructure, including EC2, Lambda, RDS, DynamoDB, Kinesis, Redshift, EventBridge, IoT Core. Mapped network ingress from Iridium satellites and cellular devices through a maze of legacy infrastructure to mitigate the behaviour of a Java application under load. Instrumental in rebuilding an on-call team and ops culture from the ground up.		
Nov 2020 - Apr 2021	Developer	Eventfinda
<ul style="list-style-type: none">» Assisting with and advising on upgrading a large existing codebase.» Node, React, AWS, MySQL, and even some PHP.		
Sep 2019 - Nov 2020	Developer	BuildSpider
<ul style="list-style-type: none">» Full-stack on BuildSpider, a construction management platform with a complex domain and lots to learn about!» React, Relay, GraphQL with Postgraphile, plenty of custom Postgres function writing. Also taking the opportunity to update their documentation and streamline some E2E testing with Cypress.		
Feb 2019 - Sep 2019	Developer	HYPR Innovation
<ul style="list-style-type: none">» Microservice and serverless backends, React/MobX UIs. AWS Lambda, API Gateway, DynamoDB, Cognito, Amplify, TypeScript. 90% remote/distributed team, lots of pairing and collaboration.» Some fun projects including a large agri-corporation and a much smaller healthcare startup. Plenty of room for learning in the Dockerised/container development space.		
Aug 2018 - Dec 2018	Teacher/Developer	Enspirial Dev Academy
<ul style="list-style-type: none">» Back at EDA to help out with some technical training during a new teacher's transition into the role.» Re-writing and updating challenges (that ever-shifting target, modern JavaScript), curriculum development and refinement.		
Sep 2018	Mobile Developer (side-contract)	Te Hiku Media
<ul style="list-style-type: none">» Really interesting contract project for a non-profit to develop a mobile interface to an existing AI, training it to transcribe spoken Māori language to text.» React Native, offline caching, recording and processing audio files, interfacing with a Django API.		
Mar 2017 - Aug 2018	Developer	Hylo
<ul style="list-style-type: none">» Working on a distributed/remote team based out of the San Francisco bay area, developing a messaging and collaboration tool for purpose-driven communities.» Across all parts of the stack but especially lots of mobile with React Native, solving performance problems and some tricky deep-linking issues.		

May 2016 - Mar 2017	Teacher/Developer	Enspiral Dev Academy
	<ul style="list-style-type: none">» Full-immersion JavaScript bootcamp-style training with an emphasis on Human Skills, self-awareness and ability to work in teams. Teaching and developing curriculum for a diverse population of students with little technical background.» Wrote a command-line tool to publish a series of GitHub issues from local Markdown files and assign them to individual student GitHub accounts, for viewing on waffle.io.	
Feb 2016 - May 2016	Developer	Saatchi & Saatchi
	<ul style="list-style-type: none">» Front end development on web project for an interesting and prominent Kiwi brand with a great team.» Wrote a budgeting tool front-end using Angular, Sass, with a SilverStripe (PHP) back end. Jira/Bitbucket.	
Oct 2015 - Feb 2016	Developer	BKA Digital Outfitters
	<ul style="list-style-type: none">» Website and web application development for major local brands. C#.NET, Angular, TypeScript, SQLServer, Azure, Node.» Worked on a mechanic/auto repair management SaaS designed for tablet devices to be used in the workshop.	
Oct 2015	Developer	HYPR
	<ul style="list-style-type: none">» Wrote workshop curriculum, "The Nature of JavaScript", for <i>API Days 2015</i> conference. Developed a multiplayer HTTP API-based game for attendees.» Node, Express, MongoDB, Cloud9, Gulp, Babel, Mocha, Chai, Supertest.	
2003 - 2015	Paediatric Intensive Care Nurse	Starship Hospital
	<ul style="list-style-type: none">» Starship PICU is the "ambulance at the bottom of the cliff" for critically ill babies and children in New Zealand.» Flight nurse on the transport team, flew to all areas of the country to collect patients. High degree of autonomy and trust, sometimes working with relatively inexperienced doctors in critical circumstances.	

»» Education

2015	Web Development Bootcamp	Enspiral Dev Academy
	<ul style="list-style-type: none">» Attended this bootcamp as a way to break into the local software industry, and as an opportunity to learn more about the .NET stack which they were teaching at the time (they have since moved on to Node).» Pair programming, "engineering empathy", VCS, introductory automated testing, pitching and presentation.	
1996 - 1998	Bachelor of Nursing	Otago Polytechnic
	<ul style="list-style-type: none">» New Zealand's comprehensive nursing degree.» Mixture of hospital-based and classroom training.	

»» References on request