

# Software Development, Australia

## About Us

Cooltrax builds IoT hardware and software to monitor temperatures, control fridges, and track trailers as they transport goods across the country. That might sound simple, but Australians alone buy \$120bn of groceries each year and our services provide an increasingly critical piece of the supply chain infrastructure that makes this possible. We operate in Australia and the United States and have a distributed engineering team with the home base in Melbourne.

## The Role

We're always looking for talented software developers to share responsibility for the full product lifecycle of our customer-facing and internal software. We run a global real-time temperature monitoring system covering some of the largest supply chain partners in the world, where you will face daily challenges and demanding timelines that will be your problems to solve. But we'll give you the autonomy to choose the right solutions, the flexibility to work in the way that suits you, and the support to handle everything a rapid-paced start-up environment can throw at you.

You'll be working as a core member of a small cross-functional engineering team. Most of our front-end and back-end software is in JavaScript (or increasingly TypeScript), we're moving from an Ember.js application to React, and our infrastructure is defined in code and orchestrated in Kubernetes. We're passionate about building a workplace culture that supports high performance engineering, so we'll share the highs and the lows, tell the unvarnished truth about the business, and give you the context to know why your work matters. This is not a comfy enterprise role where you'll do a couple of hours work and take a long lunch, it's a start-up where things are on fire and we play triage more often than we get weeks to design to perfection. You need to be OK with that, and we won't get upset if you break a few things on the way!

We need someone who can jump in and be productive quickly, but the role can be moulded to meet your skills and interests. If you are willing and able to take on leadership of the team and the system architecture, you will find a career path ready and waiting. We offer the latest computer hardware and tools, the freedom to work from home or varied hours, and a home base with regular team events, meals, and good coffee. This role is based in South Melbourne, but we have staff who work abroad regularly, and others who work from home frequently – for the right people, we can be pretty flexible.

## You

You must be first and foremost a problem solver who can propose a solution and decompose it into tasks that'll get it done. You must be a strong programmer, but also understand the infrastructure on which your code runs and be able to keep it running. You will prefer owning a whole feature from start to finish, rather than playing only at the front or back-end of the stack. You must have had enough experience in JavaScript or its siblings to be comfortable working with TypeScript as your primary language. And it would be great if you had expertise in some or all of the following:

- An interest in mentoring and growing less-experienced developers
- Linux and its philosophy of building complex pipelines from simple tools



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- Functional-style programming and thinking
- Dealing with asynchronous real-time systems
- User interface design and cross-platform development

The projects you'll be contributing to include the following:

- Web client development in JavaScript with Ember and React
- Web server development on Node.js (in JavaScript) in Express.js
- I/O interfaces to Redis, CouchDB, and Azure SQL databases
- Development and build tools involving BitBucket, JIRA, Jenkins, lots of pieces of the Microsoft Azure ecosystem, Docker, and Kubernetes