

# Steven McPhillips

## Senior Software Developer

A polyglot IT professional who loves finding challenges across diverse subject domains, countries and cultures. 15 years experience in developer, sysadmin, devops, training, and consulting roles:

- **Agile** development methodologies: XP; TDD; Pair Programming.
- Follows **established software principles**: SOLID; DRY; Composition over inheritance; Simplicity.
- The whole-of-system **perspective** gained as a sysadmin better informs everyday decision making. (Being useful with `/(sed|grep|awk|regex)/` comes in handy, too.)
- Conducting training and education courses require concepts to be presented in an **engaging, accessible** manner.
- Consulting improved personal **project management** skills, **continuously refined** through **retros**-for-one.
- Applying perspectives accrued through a **diverse professional career** to gain a richer understanding of the problem space.

I deliver **business value** by:

- implementing well tested, pragmatic, sustainable **code**.
- working productively and **sharing** knowledge.
- using overall direction and strategy to provide context for everyday **decision making**.
- recognising the opportunity to **learn**: from failure as much as success(!), from colleagues and the wider community.

## Tools

Ruby | Rails | Sinatra | Linux | Git | es6 |  
React | Redux | Jenkins | Elasticsearch | Java  
| Postgres | MySQL | AWS | Docker | Chef |  
Jetty | Tomcat | Jira | Adobe Indesign | Python |  
Django | Perl | PHP | Oracle | Puppet | Vagrant

## Outside the office

Cooking<sup>1</sup> | Travel<sup>2</sup> | Hiking | Eating | Drinking |  
Reading | Cinema | [Indoor] soccer | Table tennis |  
Snooker | Golf | Not updating my website

1: mostly Thai, Bangla, and Italian.

2: fun fact: I've spent about a third of this century living outside Australia.

## Work history

Senior Software Developer, Lonely Planet (2014-2015) [current]

**Full-stack** developer in a strong, **ego-free** team, creating quality code through **pragmatic agile processes**. Responsibilities: the LP content publishing and authoring systems, (previously) a **hypermedia** API, AWS, and CI.

Conduct a lunchtime **learn-to-code class** where staff are introduced to programming via Javascript, and ask lots of interesting questions.

Senior Software Developer, Astute Payroll (2014)

Maintained and developed an in-house PHP CRMS designed specifically for recruitment agencies. It was **not a fun job**.

Academic: LAAL; AEKOS; HUNI; ANDS (2012-2014)

Developer: Living Archive of Aboriginal Languages; Australian National Data Service.

**Project reviews**: Humanities Networked Infrastructure; Australian Ecological and Knowledge Observation System. **Multi-disciplined** application of technical knowledge in "Semantic Web" infrastructure and services.

Mae Tao Clinic, Thailand (2010-12)

Created a form wizard-style laboratory test results store with Ruby on Rails, using **meta-modelling** to describe laboratory tests and reporting parameters. **Simple** interfaces ensured **low barriers** to use.

Publishing: Monash; ANU (2009-2012)

Migrated publishing workflow to Adobe Indesign. The system was **simple to use**, resulting in fewer errors and book reprints.

Built ANU Press website with Wordpress, using its custom object API to describe domain objects and their relations. **Domain mapping** generated richer content while reducing operating overheads.

National Library of Cambodia (2006-2007)

Volunteered as IT advisor to the National Library of Cambodia. Implemented Cambodia's ISBN registry using Ruby on Rails. Working with multiple **character encodings** is fun.

National Library of Australia (1999-2010)

Sysadmin: web application, digital preservation environments. Preserving digitally-born material is hard!

Developer: **web archiving** and Library catalogue. Built the catalogue's first performant relevance ranked search in the Library's **first agile** project. I learnt the value of having a **customer as domain expert**.