

# DANIEL NEPHIN

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Passionate about [software engineering](#), [open source](#) technology, [automation](#), and [mentoring](#).

## Open Source

Core contributor and maintainer:

- Docker - the open-source application container engine
- Docker Compose - define and run complex applications using Docker
- Dobi - a build automation tool for Docker applications
- PyStaticConfiguration - python configuration library

Frequent contributor to various open source projects: yelp/docker-custodian go-swagger, julian/jsonschema, yelp/tron, tradeschool, yelp/testify, spf13/cobra, yelp/swagger-py, and many others

## Talks

- Fig Demo - at Docker Global Hack Day - SF
- PyStaticConfiguration - at edmonton.py
- Python web frameworks - at edmonton.py
- Profiling python - at edmonton.py
- Itertools - at edmonton.py

## Experience

Docker Inc

2015-current

**Computer Systems Analyst - Core**

- core contributor and maintainer of Docker (Engine)
- core contributor and maintainer of Docker Compose

Yelp Inc

2011-2015

**Software Engineer - Infrastructure**

- design of service oriented architecture platform
- design of automated testing and continuous deployment systems
- performance analysis and optimization of web stack
- design and analysis of web scraper detection system
- large scale data processing using MapReduce on Amazon EMR
- and so much more...

**Leadership**

- recruiting: interviews, phone screening, code tests, and résumé screening
- mentoring of interns and junior engineers
- support developers in debugging production issues, and software design

Yellow Pages Group

2010-2011

**Telus Consultant: Computer Systems Analyst**

- re-architecture of legacy systems and web sites
- performance analysis, testing, and optimization of web services
- technical lead for business reporting systems
- PHP, Python, Java, Groovy

Perzoot (perzoot.com)

2010-2011

**Co-Founder / Software Engineer / Software Architect**

Perzoot was a job posting aggregator. A web application using Django and JQuery on Apache, multi-threaded web scrapers, PostgreSQL database, and Solr search.

Mate1.com Inc

2007-2010

**Technical Lead** (previous roles: **Software Engineer** and **Quality Assurance Specialist**)

- requirements gathering, analysis, cost estimation and planning of projects
- technical advisor to senior management
- architecture and design of customer facing email system responsible for large portion of revenue
- operations and maintenance of production systems
- design and optimization of database layer, including schema design and query performance
- Java, Jython, Perl, Actionscript, Mysql

Football Canada Online Database Project

2006-2007

**Software Analyst and Developer**

SkillsPlus Training

2000-2004

**Contractor: Web Developer**

## Education

Computer Engineering Technology - Computing Science, 3 year Diploma, Algonquin College, Ottawa, 2007