CV of Joe Whittles

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About me

I'm a a full-stack web developer with a focus on DevOps and an academic interest in programming language and type theory, with a love of working with distributed systems. I believe the best workplaces are ones that care about contributing to the technical and social communities that it draws from, as well as fostering supportive environments that have strong commitments to equality of gender, race and sexuality.

Theoretical computer science and its practical applications to open source software is an important subject to me, but I also enjoy composing experimental music, designing synthesisers, reading political science and critical theory, and learning German.

Stuff I'm good at

Languages (Frameworks)

- Python (Flask, Django, pandas, IPython)

- Haskell (servant)

- Clojure/script (Compojure, Om)

- Node.js (Express, Koa, node-webkit)

- Front-end Javascript (React, Angular, Backbone, Gulp, Grunt, Brunch)

- Ruby (Rails, Sinatra)

- OCaml

- Purescript

- C/C++ (GNU/Linux stdlib, Qt, .NET)

- Rust

Deployment/CI/Systems

- Debian, Ubuntu, CentOS, Mac OS X

- AWS

- Docker

- PostgreSQL

- Ansible

- Terraform

- Jenkins

- MongoDB

- CoreOS, etcd & fleetctl

- Nix{OS, Ops, $\varnothing$}

Other

- Quick turnaround and clear translation of requirements into product specification and code

- API design

- Data visualisation

- Internal tool design for Continuous Integration

- Developing against constantly changing requirements

- Scrum/XP sprint planning

- Delegation of work

- Test-Driven Development

- Microservices

- Conversational and technical German

Work History

Aire

February 2014 to October 2015
Technologies used: Javascript(node.js, Express, Coffeescript, backbone.js), Docker, PostgreSQL, Debian, CentOS, CoreOS, Clojure, Python (IPython, pandas)

I worked for a startup researching alternative credit scoring with user-submitted information from a diverse set of sources. I was the first person to be employed and developed web application from scratch, overseeing the project as it grew from a series of prototypes to its first pilot scheme. Over that time I was involved in architecting a scoring model as well as the deployment and data strategy in compliance with FCA requirements, working with AWS closely to achieve them.

Rolls Royce

January 2011 to January 2014
Rolls Royce was the first company I worked for after leaving university. I was involved in a department responsible for a diverse combination of embedded controller, safety critical systems and web application development. Two notable pieces of work involved a research paper on cluster computing for Monte Carlo analysis of safety critical systems and the development of an in-house web framework in Javascript heavily inspired by the structure of Django.