

Luke Murphy

Luke is a Python back-end engineer with 13 years of hobby programming and over 4 years of professional work. Currently living in Rotterdam, Netherlands he is searching for new opportunities, both locally and remote.

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Technologies

Languages: Python, Haskell.

Frameworks: Django, Django-REST-Framework, Celery, AsyncIO, Flask.

Data Stores: PostgreSQL, Redis, DynamoDB, Kinesis.

Continuous Integration: TravisCI, GitlabCI, Jenkins.

Infrastructure: Docker, DockerHub, SaltStack, OpBeat, Sentry.

Tooling: Git, NeoVim, Zsh, Tmux, Pipenv, Make.

Experience

Free Software Foundation Europe

Python Back-End Engineer • 2017 (6 months)

Stack: Python, Flask, Docker, GitlabCI, Ansible, PostgreSQL, Redis, Celery.

I built a new account management platform for volunteers and supporters of the Foundation. It comprises of three parts, **the OpenID Connect provider**, **web user interface** and **the back-end**. I led design and development of the project closely with the CTO of the foundation. The project is still a work in progress.

Noa

Python Back-End Engineer • 2015-2016 (10 months)

Stack: Python, Django, Django-REST-Framework, Docker, PostgreSQL, Redis.

Celery, OpBeat, Amazon Web Services (Kinesis, DynamoDB, Lambda, Elastic Computing).

I built a new authentication interface for self-sign up of bicycle renters as well as a task management interface for fleet operators and co-maintained the Saltstack driven infrastructure. I actively took a part in product design and worked in a 3 man team using agile-ish ideas for managing our work flows.

TracDelight

Python Back-End Engineer • 2015 (7 months)

Stack: Django, Django-REST-Framework, Elasticsearch, PostgreSQL, Celery, Sentry.

I built the **new stores interface**. I helped triage back-end tickets, refactored parts of the test suite and improved continuous integration work flow with Docker and Travis CI.

Ammeon

Python Test Automation • 2013 - 2014 (1 year)

Stack: Python-2.7, Nose, VirtualBox.

I built the next iteration of a bespoke test framework, travelled on-site to other offices in order to teach other test engineers how to write tests with the new API and took part in bi-weekly sprints writing test suites for new features. I was promoted from testing to back-end development after 5 months.

Free Software

- carbondooms-day** The worlds first web API for climate change related data.
After reading [a call to action](#), I designed and built a Django web API to better serve client creators with a reliable and REST-ish web API for climate change related data. We now have a growing team of volunteers and over 15,000 measurements available.
[See more on Github](#) • [View my contributions](#)
- tasty-discover** Test discovery for the tasty framework.
After finding no solution for automatic test discovery and execution for the Haskell test framework Tasty, I created it and maintain it on Hackage and Stackage. The project has since seen a number of contributors.
[See more on Github](#) • [View my contributions](#)
- pyoidc** A complete OpenID Connect implementation in Python.
After finding myself relying on this library for one of my projects, I found [a number of design decisions lacking](#) and recommended myself to co-maintain this package. I have since been able to grow the volunteer team and we have steadily been improving the code base.
[See more on Github](#) • [View my contributions](#)
- stackage** “Stable Hackage”: vetted consistent packages from Hackage
After successfully applying for the volunteer role of stackage maintainer, I have been working on a rotation system to maintain and troubleshoot any ongoing issues with building the versioned Haskell ecosystem.
[See more on Github](#) • [View my contributions](#)

Education

2009-2013 **BSc, Computer Science**; University College Cork (Cork, Ireland).

Interests

- Hobbyist co-maintainer on a number of free software projects:
 - **Stack**: The Haskell Tool Stack.
 - **PackUnused**: Tool for detecting redundant Cabal package dependencies.
 - **HaskellNews**: An aggregation of all online content related to Haskell.
- Organised and led a number of hackathons in the Summer of 2016:
 - A Haskell hackathon in Berlin: **Hacking Hlint**.
 - A Haskell hackathon in Ljubljana: **Haskell workshop on Stack**.
 - A Python hackathon in Zagreb: **Pytest Sprint**.
- Helped build the first concrete skate parks in Palestine and Ethiopia:
 - **Say Hello to Palestine’s First Skate Park**.
 - **Ethiopia’s first skate park opens in Addis Ababa**.
- Languages:
 - English (Native) • Spanish (Intermediate) • German (Beginner) • Dutch (Beginner).