William Mathewson

Phone: +44 (0) 7547 155215
Email: wncmathewson@me.com
GitHub: https://github.com/neanias
LinkedIn: https://uk.linkedin.com/in/william-mathewson

Work & Experience

Mar 2023 – Present

Lead Software Engineer at Cherub Health Ltd
Led all engineering activities at a Tier 1 VC-backed health-tech startup dealing in medicines optimisation and prescriptions. This work included:

- Leading development of a green-field Ruby-on-Rails web app from conception to live deployment, including
  - building a flexible, reusable front-end framework;
  - setting up modern, well-managed infrastructure on AWS; and
  - creating appropriate CI/CD pipelines and third party automations.
- Integrating with legacy APIs using innovative solutions across networks and programming languages;
- Dealing with both structured and semi-structured data, turning it into usable data for our applications whilst actively building secondary processing;
- Building an RPA solution in Python to solve problems that weren't actively available through API usage;
- Creating a AWS-native workflow to allow us to communicate between our backend and a remote agent running on third-party hardware;
- Managing and mentoring more junior members of the team to onboard and upskill them.

https://www.cherub.health/

Technologies used: Ruby-on-Rails, ViewComponent, SASS; PostgreSQL; Python, RPA; AWS; C#, .NET Framework

Oct 2022 – Feb 2023

Senior Software Engineer at FreeAgent Central Ltd

- Carried projects through from start to finish, including working with Product to write appropriate specification files for projects; discussing objectives and stories with other engineers and leading the project to completion;
- Worked in banking-related teams, specifically with ledger entries for bank account entries and how they could be presented, sorted and related to one another.

Sept 2019 – Oct 2022

Software Engineer at FreeAgent Central Ltd

- Worked as a software engineer in various product teams, contributing to FreeAgent's Rails monolith;
- Helped build the first external integration for automated sign-up with a sister NatWest Group company, Mettle;
- Participated in and, later, ran a learning group to help up-skill fellow engineers;
- Presented internal talks about engineering quirks and oddities encountered during work.

https://www.freeagent.com

Technologies used: Ruby-on-Rails, ViewComponent, RSpec; MySQL; React

Jun – Jul 2019 **Full Stack Engineer at Edjo Ltd**
Built an admin portal using React.js and the Falcon web framework for creating new ERC20 tokens on the Ethereum blockchain.
https://edjo.io

Technologies used: Python & Falcon; React

Aug 2018 – May 2019 **Lead Software Engineer at ThisThat Ltd**
Led all engineering activities. This involved:

- Learning Swift and iOS to lead iOS app development;
- Managing the backend infrastructure deployed in Firebase;
- Designing and building a green-field Python REST backend service, written using the Falcon web framework;
- Learning many new skills such as SEO, NoSQL databases and deployment strategies for GCP and Kubernetes.

https://www.thisthatapp.com

Technologies used: Swift & iOS; Python & Falcon; GCP & Firebase

Relevant Skills

- Ruby and Ruby on Rails, including using ViewComponent, GoodJob, Devise and RSpec
- AWS and CloudFormation
- Python with Falcon & Flask, as well as RPA technologies
- Web technologies including TypeScript, JavaScript and (S)CSS
- PostgreSQL
- Docker
- Git, GitHub

Education

2014–2018 2:1, BSc (Hons) Computer Science, University of Edinburgh