

>_ Software Engineer

Experienced in Ruby (inc. Rails) and JavaScript-based programming (inc. React/Redux and Vue) with a background in education, research and community-building. Strong skills in collaboration, data analysis and communication of complex information which support delivery of high-quality, person-centric services.

</> Technical skills

Ruby (inc. **Rails**, **Sinatra**, **Jekyll**), **JavaScript** (inc. **React**, **Vue**), **SQL** (inc. **PostgreSQL** and **SQLite**), **CSS** (inc. **Sass**, **Bootstrap**), **HTML** (inc. **Markdown**), **Git**, **R** ~ basic **Python** (inc. **Flask**), **C**, **Lua** (inc. **LÖVE**)

📁 Technical projects (selected)

Land Use Finance Impact Hub (UNEP-WCMC)

Web app to help investors work more sustainably, including through identification of relevant KPIs

- > Used **Nuxt/Vue** with a headless **WordPress** backend API to co-build a small but complex app
- > Built components including accordions, carousels, modals and API-based paginated and filterable listings
- > Employed local state, **Vuex**, props, computed properties, methods, **async** functions and custom **Sass**

Non-profit Exchange Hub (in development) 🌐 [GitHub](#)

Web app for non-profits to share surplus resources

- > Used **React/TypeScript** and **Nest/Node** (with **TypeORM**) to contribute to open-source project
- > Created backend messages resource and proof of concept for connecting up frontend component

StackStore 🌐 [GitHub](#) 📺 [demo](#) 🌐 [deployment](#)

Web app for finding, keeping, tagging and making notes on Stack Overflow questions

- > Used **React**, a **Rails** API and **Sass** to build an efficient, responsive app
- > Employed **Redux**-based state management, with local state for controlled forms
- > Created **PostgreSQL** database for **Heroku** compatibility, used **ActiveRecord** queries and model-level validations for ensuring data quality ~ also on JazzCatCom, Workinonit
- > Made external API **AJAX** fetch requests to retrieve question and answer data ~ also on JazzCatCom

JazzCatCom: Comedy, Cats and Chris Dave's Hi-hats 🌐 [GitHub](#) 📺 [demo](#) 🌐 [deployment](#)

Web app for discovering and saving jazz, cats and comedy

- > Used class-based **JavaScript**, a **Rails** API and **Sass** to build a fun, single-page app
- > Implemented token-based authorisation with email/password authentication ~ also on StackStore
- > Deployed on **GitHub Pages** and **Heroku** ~ also on StackStore; Workinonit
- > Combined **Bootstrap** with custom **Sass** ~ also on StackStore, Workinonit, Selected Text Readability

Workinonit 🌐 [GitHub](#) 📺 [demo](#) 🌐 [deployment](#)

Web app for searching for jobs and keeping track of applications

- > Used **Rails** with a model-view-controller pattern, **JavaScript** and **Sass** to build a complex app
- > Built scrapers for three different websites using **Nokogiri** to gather data for finding and saving jobs
- > Integrated session-based authorisation with authentication via email/password using **bcrypt**, as well as via Facebook, GitHub and Google as **OAuth** strategies using **OmniAuth**
- > Followed **RESTful** patterns for transparent routing ~ also on StackStore, JazzCatCom

Selected Text Readability 🌐 [GitHub](#) 📺 [demo](#) 🌐 [release](#)

Chrome extension for measuring readability of selected text

- > Used **JavaScript** and **CSS** to build a lightweight Chrome extension

Experience (selected)

Fullstack Web Developer ~ UNEP World Conservation Monitoring Centre (UNEP-WCMC) 11/2021 – present

- Implement frontend and backend components of modern APIs and data-driven, responsive sites
- Liaise with other developers, data scientists and geospatial experts to deliver high quality biodiversity informatics products, APIs and databases that are paired with engaging and interactive interfaces

Planning Analyst – Research Excellence Support ~ Queen Mary University of London 04/2019 – 11/2021

- Helped prepare the university to submit to national exercise measuring research quality and environment
- Conducted statistical equality analyses with **R** using linear mixed-effects regression, Chi-squared and t-tests, and produced visualisations using **ggplot2**; some simpler analysis/visualisation in Excel

Academic Quality Support Officer ~ York St John University 09/2012 – 07/2016

- Supported programme approvals, university committees and module and assessment data reporting
- Earned internal and national acclaim as equality champion and co-founder/initial catalyst of LGBTQ+ staff network: internal “Celebrating Exceptional People” award; Inclusive Networks Awards “Inspiring Member of the Year” shortlist; high rankings and continuous improvement in Stonewall Workplace Equality Index
- Represented university at professional services and equity and inclusion conferences and events
- Maintained academic quality webpages on **Terminalfour** and LGBTQ+ staff network blog on **WordPress**

Queer activist and writer 07/2010 – present

- Founded and coordinate(d) Non-binary London and York LGBTQ+ History Month
- Involved in numerous other queer projects and organisations, including committee and **WordPress** work
- Published academic journal article on the intersection of sexuality and contemporary gender
- Published book chapter on transfemme visibility and experiences of public spaces
- Published poetry and other articles in two further books, a magazine and a zine

See LinkedIn for further roles including in web, teaching and advice/consultancy

Education (selected)

Full-stack software engineering bootcamp ~ Flatiron School 06/2020 – 09/2021

- Technologies: **Ruby** (inc. **Rails** and **Sinatra**), **JavaScript** (inc. **React** and **Redux**)

CS50 Introduction to Computer Science ~ Harvard University 06/2020 – 11/2020

- Technologies: **C**, **SQL**, **Python** (inc. **Flask**), **JavaScript**
- Started follow-up course “CS50’s Introduction to Game Development”, covering **Lua/LÖVE** and **C#/Unity**

PhD Linguistics (withdrawn*) ~ Queen Mary University of London 10/2016 – 03/2021

* interrupted in 2019; withdrew in 2021 to pivot into software engineering

- Working thesis title: “Talking beyond the binary: queer and genderqueer speech”
- Presented research at conferences and events across the UK and USA
- Delivered workshops to PhD students on using **WordPress** to create a personal academic website
- Secured funding for and co-organised contemporary gender conference and three-day prosody workshop
- Technologies: **R**

PGCert Diversity Management (merit) ~ University of Bradford 01/2016 – 07/2016

- Modules on cross-cultural communication and navigating the dynamics of diversity and power

MA Sociolinguistics (distinction) ~ University of York 10/2013 – 09/2015

- Thesis: “Sexual orientation, phonetic variation and the roots and accuracy of perception in the speech of Northern England English-speaking men”
- Modules covering breadth of linguistics, with focus on sociolinguistics, phonetics, quantitative analysis
- Technologies: **R**