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Graphia Ltd
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Skills

- **Languages:** Ruby, JavaScript, Go, SQL
- **Web Frameworks/Libraries:** Rails, Sinatra, VueJS, GOV.UK Design System
- **Platforms:** Digital Ocean, Netlify, Microsoft Azure, Heroku, Amazon AWS
- **Relational Database Management Systems:** PostgreSQL 7.3–12, MySQL 4.1–5.7, Microsoft SQL Server 2000 and 2005; including an extensive knowledge of user-defined functions, stored procedures, views, indexing strategies, procedural languages (including PL/Ruby, PL/Python, PL/pgSQL and Microsoft T-SQL)
- **Testing:** RSpec, Cucumber, Minitest, Selenium, Capybara
- **Geographic:** PostGIS, QGIS, Leaflet, OpenLayers
- **Version Control/Project Management:** Git, Subversion, Jira, Confluence, Trello
- **Markup/Serialised Data:** HTML, CSS, Slim, Sass, XML, XSLT, YAML, JSON, Jbuilder
- **Operating Systems:** Linux, Unix, macOS
- **Miscellaneous:** Vim, L^AT_EX, Bash, Zsh, Ansible, Capistrano, Redis

Employment History

- **Software Developer** **December 2018 — December 2019**
Department for Education (via Engine Group) (contract)
 - part of the team that built and launched School Experience, a project that gives prospective teachers real experience in the classroom and allows schools to manage placement requests
 - took part in the entire user-centred design process including conducting user research, observing users, prototyping and testing
 - created the GOV.UK Design System Form Builder, a library that implements a Rails form builder that adheres to the GOV.UK Design System. Currently used by several live services and listed on the official resources and tools page of the design system documentation
- **Founder** **March 2017 — Current**
Graphia Ltd
 - designed and created Graphia CMS, a version-controlled documentation management system
 - undertook a number of short-medium term software development and data engineering contracts
- **Technical Lead** **August 2011 — February 2017**
Capita Translation and Interpreting
 - designed and lead the development of internal interpreter booking platform
 - implemented a new development infrastructure and standards project, encompassing code review, automated testing, continuous integration and deployment
 - initiated the company’s transition from document to relational databases
 - built a self-serve management information portal that is used throughout the business
- **Web Developer** **November 2008 — September 2010**
Setfire Media
 - developed web sites and applications for large clients
 - helped reimplement On The Beach Holidays’ website, originally written in Minivend, in Ruby on Rails

- implemented unit and integration tests for all projects, development undertaken in a BDD environment
- performed a variety of system administration tasks on Debian 5.0 and CentOS 5 servers
- held responsibility for database administration on all projects, tasks included query optimisation, setting up replication and managing permissions on MySQL 5.1 and PostgreSQL 8.3+

• **Senior Information Analyst**

August 2007 — November 2008

• Salford Royal Foundation Trust

- designed and implemented performance-related reports to help trust meet NHS targets
- wrote queries and created Microsoft SQL Server 2000 database objects using Microsoft T-SQL
- assisted with the advancement of the internal development methodology
- performed database optimisation, troubleshooting and maintenance

• **Software Engineer**

October 2006 — August 2007

• Clicks And Links Ltd.

- developed and maintained web sites written in Ruby On Rails, Zope and Django
- designed database back-ends for web applications in PostgreSQL

• **Database Programmer**

November 2005 — May 2006

• Harrington Brooks Accountants Ltd.

(contract)

- developed back-end data objects for new IVA system in Microsoft SQL Server 2000
- provided technical assistance to IT team while bug-fixing internal systems in Visual Basic 6.0
- implemented company-wide source control infrastructure with Subversion

• **Programmer**

November 2004 — November 2005

• EMIS

- developed software used in the primary care sector for management of medical records and administrative purposes
- obtained Microsoft Certified Professional qualification in Programming SQL Server 2000 (2073)

Education

- **Manchester Metropolitan University** 2001–2004
BSc. Hons Information Technology (2:1)
- **North Chadderton Sixth Form College** 1999–2001
A-Levels in Biology, Information Technology, Chemistry
- **North Chadderton School** 1994–1999
9 GCSE (A-C) including: Science, Maths, English