Rob Levy

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PROFILE

Senior software engineer with a focus on back-end, data and infrastructure.

I'm a native speaker of Python and Postgres-flavoured SQL. I'm most at home on the command line and I'm comfortable with Kubernetes, Terraform and a lot of AWS services.

I'm a people person *and* a techie. I look to combine these two aspects in jobs and teams which are technically challenging, creative, collaborative and communicative.

EXPERIENCE

DARE INTERNATIONAL | Senior Software Engineer
Feb 2023 – Current | London

- Designed, tested, built and deployed a data pipeline, warehouse, working database and back-end API for a high-performance mapping front-end.
- Created and delivered "dev skills" training for graduate and junior engineers, to help them feel more comfortable at the command line with tools like git, tmux and kubectl.

LIMEJUMP | Senior Software Engineer
Sep 2019 – October 2022 | London

- Designed, wrote, tested, reviewed, deployed and bugfixed production code using Python, Postgres, SQL, Django, Kubernetes, Docker and AWS
- Wrote continuous integration specs in CircleCI and Github Actions for running tests, building Docker images and deploying to Kubernetes.

FREELANCE | Full-stack developer
Jan 2019 – Sep 2019 | London

- Adapted corporate website to meet new design spec. Deployed website via git and Amazon Web Services.
  ES6/Babel – Node/Express/Webpack – SASS/SCSS – React – AWS EC2 – AWS Elastic Beanstalk with load balancing
- Managed database schema upgrades and data cleansing
  Linux via remote access – MySQL command line interface – SQL

GENERAL ASSEMBLY | Lead Instructor
Apr 2018 – Dec 2018 | London

- Taught and developed content for GA's flagship web development boot camp, a 12-week intensive Javascript course.
- Taught Data Science part-time evening course.
- Taught Data Analytics to corporate clients.

NEW ECONOMICS FOUNDATION | Economist
Jun 2017 – Nov 2017 | London

- Designed and ran quantitative economic and statistical analyses.
  Python (Jupyter Notebook) – Pandas – Matplotlib and Seaborn – Javascript for mapping and visualisation (Leaflet.js)

SKILLS

TECH
Python • Postgres & SQL
Kubernetes • Docker
AWS • Apache Airflow
Command-line • Vim
Javascript • Node.js • React
70k rep on StackOverflow

TEACHING
- Taught web development, data science and statistics
- Lectured and designed courses in maths, quantitative research and economics
- CELTA-qualified experienced English teacher.

LANGUAGES
English (native) • German (advanced) • French (working proficiency)

EDUCATION

UCL
2012-2015 | London
PhD Global Mathematical Modelling
Economic modelling, Data, Mapping/GIS, Visualisation, Python, Javascript

FRANKFURT UNIVERSITY
MSc Quantitative Economics
2011 | Frankfurt, Germany
Econometrics, macro, micro
Dissertation on natural disasters and economic development.

WARWICK UNIVERSITY
MEng Electronic Engineering
2004 | UK
2:1

HILLS ROAD COLLEGE
A-levels
Maths, Physics, Chemistry
1999 | Cambridge, UK
Three 'A' grades

LINKS

StackOverflow:// **londonrob**
Github:// **roblevy**
LinkedIn:// **rglevy**

UCL | Teaching Fellow
Sep 2016 – Jun 2017 | London

- Course director for *Quantitative Methods* and *Game Theory*.
- Supervised Bachelors theses and marked & moderated Masters theses.

UNIVERSITY OF BRISTOL | Senior Teaching Associate
Jan 2016 – Aug 2016 | Bristol

- Ran classes on STATA, maths and economics

UCL | PhD and PostDoc
May 2012 – Dec 2015 | London

- Large-scale research project involving huge database of trade data (Postgres and PostGIS), complex mathematical/statistical analyses (Python/Pandas/Numpy/R), and interactive visualisations (Javascript with D3.js)

MAJOR FINANCIAL CLIENTS | Data Consultant
Jun 2010 – Mar 2012 | Frankfurt and London

- Managed large-scale data migration
  SQL, automated with VBA
- Created a SQL-Server database for Bloomberg financial transaction data

ACCENTURE | Analyst
Feb 2008 – May 2009 | London

- SQL Server, SSRS, SSIS, querying & performance

DATASCOPE RECRUITMENT | Database Engineer
July 2007 – Jan 2008 | London

- Database consultancy and web coding (HTML and CSS)

i2 | Software Support Engineer
Oct 2004 – Feb 2006 | Cambridge

- Database support and troubleshooting. Access VBA coding.

CERTIFICATES

2013   Outstanding contribution to teaching – Economics dept. UCL
2009   GRE test – Verbal: 600 (85th %ile), Quantitative 800 (94th %-ile)