

University & next steps

My 1st job

Intro

Job market trends (40 years)

The exception of Information Technology



Adzuna is lending the time to prepare and present this talk

The opinions expressed in this presentation are personal and not necessarily those of Adzuna



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The slides will be given, all resources are available

Questions in the chat - let's discuss at the end

Licences & references Images: referenced per image Icons: <u>https://github.com/twitter/twemoji</u> Flags: Wikipedia articles



- Head of infrastructure
- Infrastructure engineer
- Backend engineer & DB administrator
- 12 years remote work





Oadzuna

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Adzuna - zero in on the right role





Apply for jobs

You can search for jobs without an account. But to apply you need to create an account or sign in.

Create account >

Already have an account? Sign in

Latest update

JobsAware

To stay safe in your job search and flexible work we recommend that you visit JobsAware for information and to get free, expert advice for safer work.

Find an apprenticeship

Like the idea of becoming an apprentice? Use Find an apprenticeship to search, register and apply for apprenticeship vacancies.

Jobseekers from abroad

Before applying for jobs please check whether you need a visa to work in the UK.

Popular categories	Popular locations	Popular searches
Trade and construction jobs	London	Cleaner jobs
Hospitality and catering jobs	Glasgow	Warehouse jobs
Maintenance jobs	Liverpool	Retail jobs
Logistics and warehouse jobs	Manchester	Driver jobs
Healthcare and nursing jobs	Leeds	<u>Labourer jobs</u>

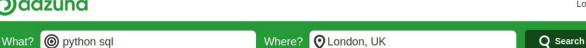
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Advanced





645 Python sql Jobs in London





Create alert

Filter results

Sort by Salary + Remote + Location + + Category Company Contract type + Hours +

Data Developer Python SQL - WfH

£55000 - £70000 PER ANNUM + BENEFITS - CLIENT SERVER -

LONDON, SOUTH EAST, SOUTH EAST LONDON

Data Developer London to £70k Remote Interview WFH Data Developer / Engineer (Python SQL BI) Remote Interview WFH. Are you a data technologist seeking a role where you'll ... a competitive salary (to £70k) plus benefits. Apply now or call 020 8016 4456 to find out more about this Data Developer / Engineer (Python SQL BI) opportunity. This job was originally posted ...

Data Engineer - Python, SQL, Spark

JOBSWORTH: £ 52,136 P.A. - OLIVER BERNARD - LONDON, SE11

JOBSWORTH: £ 46.837 P.A. - AUSTIN FRASER - LONDON, LONDON

Data Engineer - Python, SQL, Spark Location: London, N1C 4AX (Remote currently)Salary: £60,000 -£70,000Industry: E-commerceTech Stack: Python, SQL, Pandas, Spark, AWSGreat ... opportunity for a talented Data Engineer (Python, SQL, Pandas, AWS) who also has strong experience of developing applications using Python to join a business that is entrusted ...

experteer

Related searches



Python/ SQL Developer

Python/ SQL Developer 3 month contract London/ Remote Austin Fraser are currently partnering with an exciting London-based start up who have some interesting projects coming up ... and are urgently looking for a Python/ SQL Developer to join them. This will be a 3 month contract initially with strong possibilities of multiple extensions beyond this. It will be fully remote ...



(C) adzuna

- TI Ds: 20
- Traffic: ☆☆M visits/month
- Web scraper: ☆☆M ads/day
- Partner network: ☆☆G ads/day
- User facing DB: ☆TB storage
- Sent: ☆M emails/day
- Machines: ☆☆☆

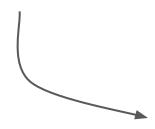
In 2020-21, we estimate we have helped 1M people find jobs



If you need to lookup the source



Food for thought



https://example.com "Blah Blah"







"The crisis caused an explosion in uncertainty and insecurity and severe lack of trust of the labor force when it comes to the protection of fundamental labor rights and their standard of living"



"In 2021 Greece recovered from the pandemic shock [...] However, if the cost of living is taken into account, Greece has the 2nd smaller per capita GDP in EU. Moreover, it's the only state in EU where this metric is less than the 2007 levels."



"Salaries were adjusted, but the increased competition that should have helped to bring prices down never happened. The burden of the internal devaluation fell excessively on labor."



"Several years of recession and austerity measures have persistently challenged the constitutionally protected right to work and the right to an adequate standard of living."

"Salaries were drastically cut [...] and working conditions weakened"

1992-2016: "While real annual wages grew by a total of 20% in the top decile, they did not change in the fifth and sixth deciles, and in the two lowest deciles they decreased by around 35%"



"1 in every 8 children in America ($\sigma\eta\mu$ H Π A) is experiencing shockingly high rates of food insecurity, school drop out, teenage pregnancy and/or child deaths"



"Real wages rose at the top of the distribution, whereas wages stagnated or fell at the middle and bottom."





Staff shortage

"One in 5 enterprises employed Information and Communication Technology specialists"

"In 2017, more than half of EU enterprises that recruited or tried to recruit Information and Communication Technology specialists had difficulties in filling ICT vacancies."

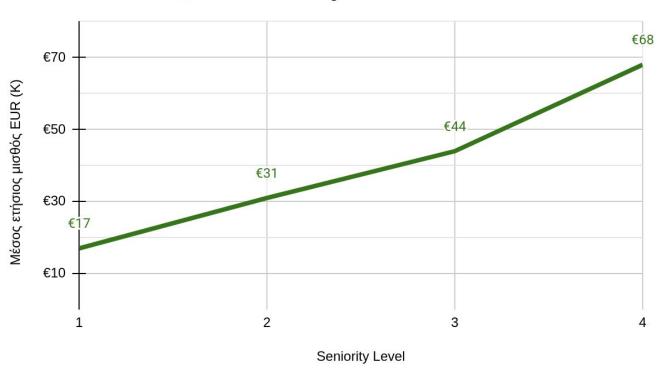
Staff shortage

2015: "Europe could face a shortage of more than 800,000 skilled ICT workers by 2020"

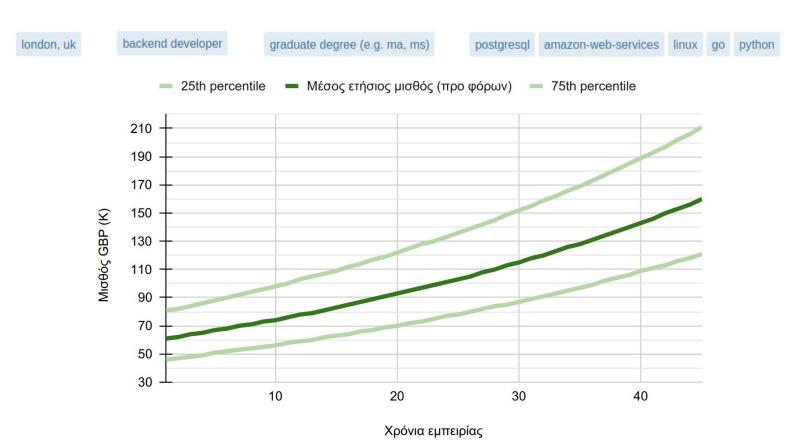
2017: "shortages of IT specialists are forecasted to reach around 500,000 by 2020 and we estimate that Europe would need 50,000 new high-tech leaders each year till 2025".



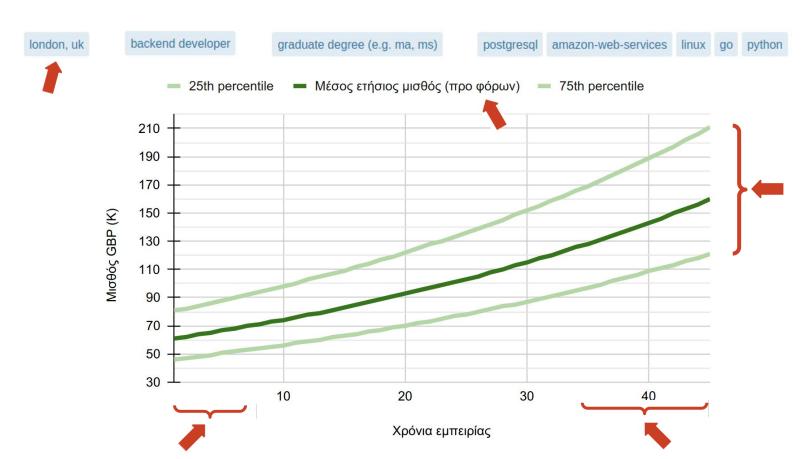
Backend Software Engineer - Individual Contributor

















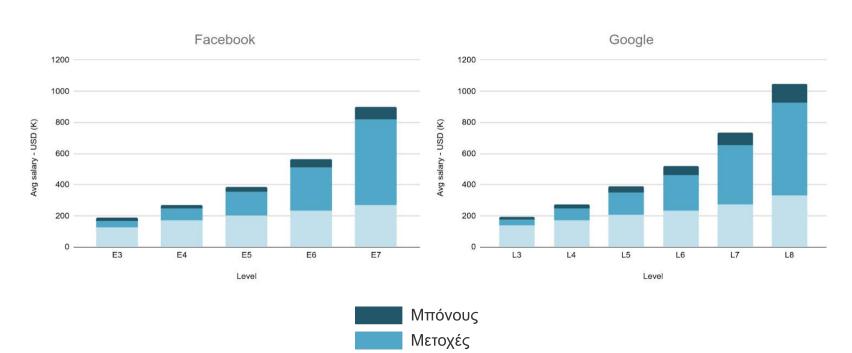
Top-tier

Basecamp: "an annual salary of \$207,978" (σημ Engineering Manager for our Security, Infrastructure and Performance)"

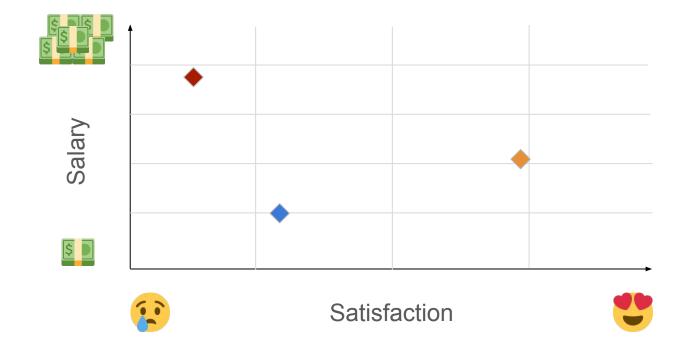
Oxide: "we all got a raise to \$180,250 in December" (σημ 2020)

Top-tier - Big Tech

Software Engineer



Μισθός

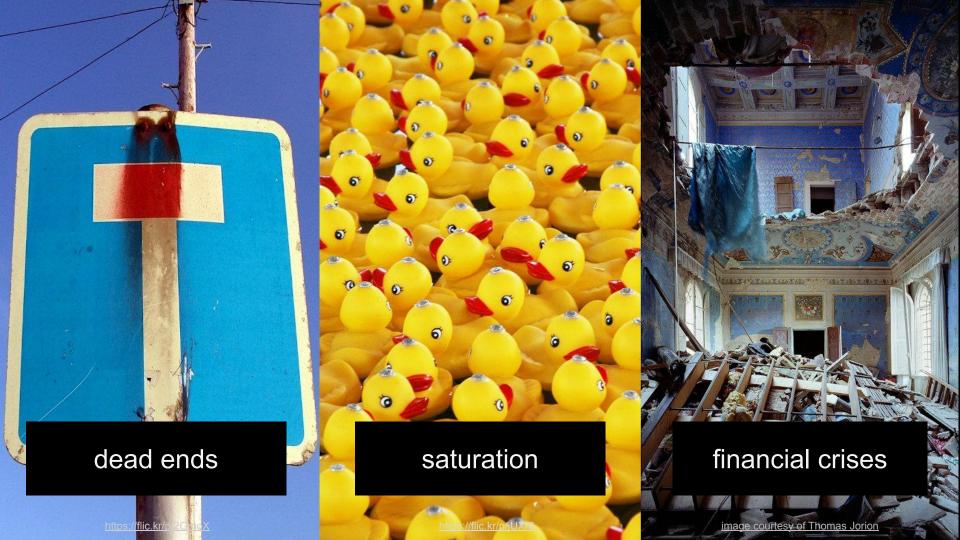


Remote work

- Discipline
- Sharp communication skills
- Work from office experience

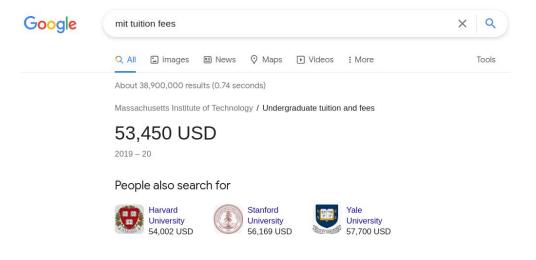
Be aware of:

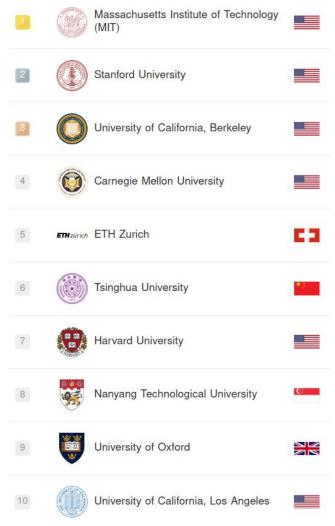
- Lack of social contacts
- Hidden costs (office, +1 room, heat-A/C)
- Work hours





Red brick & Ivy league





MSc + tuition













MSc + cost of life









Indicative (and with attention):

https://www.numbeo.com/cost-of-living/, "Numbeo is the world's largest cost of living database" https://www.mylifeelsewhere.com/cost-of-living/compare-cities, "Compare countries and cities around the world"

Programming

Get exposed to programming, the language doesn't matter that much

Indicative: python, java, go, bash, javascript

Basic technical skills

Network (TCP, HTTP)

SQL

Linux cli

Computer architecture

https://missing.csail.mit.edu, "The Missing Semester of Your CS Education"
https://wizardzines.com/, "programming zines", Julia Evans
https://training.linuxfoundation.org/training/introduction-to-linux/, "Introduction to Linux (LFS101x)", The Linux Foundation
Ops School Curriculum — Ops School Curriculum 0.1 documentation, "Ops School Curriculum"

Open source projects

Open your horizons, get exposed to collaborations

Practice (reading code, collaboration)

Positive for the CV

Find something interesting enough so that you invest the time

Open source projects

How do I participate?

- Prepare your dev env
- 2. Contact developers / community (slack/mailing list)
- 3. Find 1-2 simple bugs
- 4. Try (commits)

https://jvns.ca/blog/good-questions/ "How to ask good questions", Julia Evans https://stackoverflow.com/help/how-to-ask "How do I ask a good question?", Stackoverflow

https://mitchellh.com/writing/contributing-to-complex-projects "Contributing to Complex Projects", Mitchell Hashimoto https://andre.arko.net/2016/11/12/how-to-contribute-to-open-source/ "How to Contribute to Open Source", André Arko https://python-gsoc.org/index.html#gettingstarted "Python Summer of Code - How do I get started?", Python Software Foundation

Google Summer of Code

"... the opportunity to gain real-world experience by working on a three month coding project with one of more than 200 open source organizations under the guidance of a mentor."

https://buildyourfuture.withgoogle.com/programs/summer-of-code/ "Google Summer of Code" http://blog.gerv.net/2006/05/how not to apply for summer of/ "How Not To Apply For Summer Of Code"

Similar programs

- Season of Docs, https://developers.google.com/season-of-docs
- Season of KDE, https://season.kde.org/
- Outreachy, https://www.outreachy.org/
- Tweag Open Source Fellowship, https://www.tweag.io/blog/2020-02-14-os-fellowship/
- Summer of Nix, https://summer.nixos.org/
- Rails Girls Summer of Code, https://railsgirlssummerofcode.org/

Foreign languages, (asynch) communication







Requirements

"Required Technical and Professional Expertise:



Minimum 12+ years' experience in Kubernetes administration and management."

Requirements

You don't need to meet 100% of the requirements

"2+ years of experience" ignore it - especially if you have commits, internship, GSOC

Tax + Social security

Take home money?

Differences employee / contractor

VAT

Stock taxation (if stocks is an option)

Your application will be ignored and rejected



Send



Answers



Final offer



1st job goals

It's OK not to find the top salary on the 1st go. It will happen!

For starters, search for a healthy environment where you can learn.

Next steps

Education (books, courses, videos, and of course time)

Work with a senior member of the team

Next steps

Search for the next job if you are not satisfied

Practice interviewing

The bigger raises usually come when you change jobs

Do your research

Job boards

- https://www.adzuna.co.uk/ (.com, .fr, .it, κτλ)
- https://gr.indeed.com (.co.uk, .fr, .it, κτλ)
- https://www.glassdoor.com
- https://stackoverflow.com/jobs/

Remote work job boards

- https://github.com/fossjobs/fossjobs/wiki/resources#job-aggregators
- https://weworkremotely.com/
- https://remoteintech.company/

Directly at the website of companies that interest you



Information technology is privileged when it comes to salary

Think about your career frequently and for different time scales

The greek university is one good step of the many that you will take

Open your horizons, get involved with open source projects

Practice interviews, do your research, keep an eye on the job market

Find out a healthy environment where you can learn

