Nick Griffiths

TECHNICAL LEAD AND DATA EXPERT (ED-TECH)

CONTACT

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GENERAL

I am an experienced and highly competent Educator, Technical expert and leader. With excellent initiative, strategic awareness and an innovation mindset I have a proven track record of bringing value to the organisations I work for.

RELEVANT EXPERIENCE

Technical LEAD (Multiverse LLC) *[06/2023 – 10/2023]*

Core responsibilities:

- o   Leading teams to develop solutions to technical problems
- o   Developing and consulting on strategy across the delivery team
- o   Technical SME interviewer for data teams
- o   Consulting for high value clients (2+ million spend)
- o   Mentoring and developing junior colleagues.
- o   SME for technical skills and training

Impact:

I led development and execution of an 8 week intensive reskilling course to retrain 5 colleagues in Data science. (Python, PostgreSQL and Tableau) The success of this program avoided 5 redundancies and filled missing coach headcount in the data team netting the business £3.75 million in booked revenue.

I designed and wrote a PostgreSQL editor for a client that had particularly difficult cyber security needs, using ipython, psycoPG2 and javaScript this minimised disruption to courses and allowed apprentices to work with SQL within their organisation.

I developed a customisable package installer using Python (threading, sys, Conda and pip) to streamline tech troubleshooting generating detailed and automated reporting and error reports.
This improved coach client and apprentice experience by making troubleshooting standardised and simple.

Key lessons:
As an SME I learned how to maximise my skillset for impact in the business, when to step in and do things myself, delegate or use it as a growth opportunity for a junior colleague.

DATA ANALYTICS COACH (MULTIVERSE LLC) *[03/2021 – 06/2023]*

Core responsibilities:
- o   Instructing Excel, powerQuery, PostgreSQL, BI, Tableau, Python
- o   Technical coaching and Mentoring
- o   Consulting with mentees and client management as an SME
- o   Contribute to team initiatives within Multiverse

Impact:
Led 68 learners to complete their L4 Data analytics apprenticeship with 30+% attaining distinction.
Consulted/mentored on over 200 successful data and machine learning projects from public sector to corporate real estate.

I Designed and built accessibility add-on for Jupyter notebooks using Python/JavaScript for our visually impaired learners.

ABOUT

I am passionate about Strategic thinking and solving problems, especially when it impacts the experience of others. Improving existing systems and creating new ones give me a real buzz.

A lifelong learner with a passion for picking up new skills and sharing them, I take mentorship and knowledge sharing as a given in any of my roles.

I love building stuff, be it fun little bits of software/webpages for family/friends or large scale projects for colleagues and companies.

In particular I love the satisfaction of building solutions that save colleagues and businesses time, effort and money.

TECHICAL SKILLS

Data analytics/science
Machine learning/modelling
Python
SQL (Postgres in particular)
PowerBI and Tableau
Excel/powerQuery
Git/github/githubpages
Web-design
Javascript, CSS, HTML

DURABLE SKILLS

Strategic thinking
Leadership
Mentoring/Coaching
Developing talent

I designed and built an add-on (JS,CSS,HTML) to a newly adopted presentation system in React, the system was still under development by a 3rd party and had no speaker notes functionality, my solution was used for 8 months as an interim to allow instructors to have this functionality.

Was a core SME in developing the CPD and training offering for data analytics coaches, I wrote >30% of material (presentations + code) which included PostgreSQL, noSQL, python machine learning, PowerBI and Tableau)

Consulted with MV database team to help enable automated weekly reporting to be sent to every MV coach (40+ coaches) using msSQL, Tableau and HTML.

Key lessons:
During this time I learnt a great deal about cost benefit analysis and stakeholder management, how best to pitch the benefits of what my apprentices were learning and how it can be applied.

Through consulting on apprentice projects I learnt a great deal about connecting data systems, automation and troubleshooting.

OTHER RELEVANT EXPERIENCE

PERSONAL SOFTWARE DESIGN and data PROJECTS

SOFTWARE PROJECTS

Molkky: Making a scoring web-app for the classic Finnish garden game using JS, JSON, CSS and HTML

Image storer: As part of a larger machine learning project I need to build and store a data set of hand-drawn digits, to do this I have built a site to make the drawings which are then sent by API to a PostgreSQL database using FETCH APIs.

Boppit emulator: A lampoon of the classic kids game built in JS.

DATA SCIENCE PROJECTS

I am learning Finnish for my partner (A fin) and am building language learning tools to help me learn.

My most recent project was a web-scraper in Python to get the verbs, core suffixes and 8000 most used nouns. This is then to be blended with a list of the top 5000 most used English words into a PostgreSQL database to be used as a base to build my learning aids from.

ADDITIONAL INTERESTS

METAL ART

I spend a lot of my free time building art from metal in my garden. Instagram @forge_lucas

DANDD – GM

I regularly play DandD and am a GM (meaning I run the game), it's great for unleashing my creative side and really is a fantastic mental workout.

GYM AND POWERLIFTING

I am an avid gym goer and powerlifter, in previous roles I have led lifting and general fitness sessions for colleagues.

DISTANCE LEARNING

I am addicted to distance learning, be it TEFL, Open university, Stack-skills or Udemy I can't get enough and regularly have 2 or more courses on the go, my most recent course was "A-Z of machine learning" a python course covering machine learning from the very first regression models all the way up to CNNs for image recognition.

EDUCATION

BSC Mathematics Brunel – 2014

PGCE Mathematics education, Goldsmiths - 2015

BSC Physics and Mathematics Open university
(Grad date 2026 current grade 90%)

TEFL qualification 2019

POTENTIAL FAQS

What was your background before tech?

I was a high school and college Mathematics and physics teacher for 4 years.

Why did you leave you last role?

I left my previous role to take a career break with my partner to travel for in South America

Why were you only in role for 5 months?

My tenure as technical lead at Multiverse was short due to a change in company sabbatical policy which meant I had to resign to take my trip.

What exactly is a data coach?

You are a mentor and instructor to a group of 40-50 apprentices but also spend a lot of time with the client's management.

L4 apprenticeships are based around a portfolio of real industry projects using Excel, BI tools, SQL, python and machine learning so a large component of the role is technical consulting and troubleshooting with apprentices.

In short it's a hybrid role of instructor, personal mentor, external data consultant and project SME.