

Nick Griffiths

SOFTWARE DEVELOPER

GENERAL

I am an experienced Technical expert with significant data and coding experience in Python and JS looking to make another successful career shift in to software development.

I have a proven track record of rapidly integrating in new sectors and my excellent initiative and a coachable mindset will bring quick ROI for any organization I work for.

RELEVANT EXPERIENCE

Founder/Director (Data Ronin LLC) [07/2024 – present]

My company is developing training materials and consulting in Python, JS and data skills.

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

Core responsibilities:

- o Leading teams to develop solutions,
- o Developing and consulting on strategy across the business
- o Developing custom tools for Data team (python, JS, BI)
- o Consulting for high value clients (2+ million spend)

Achievements and impact:

Wrote a SQL editor for a client that had particularly difficult cyber security needs, using Ipython, python psycoPG2 and JavaScript, this contributed to unlocking ~£1.5 million in revenue.

Built a customisable package installer in python using threading, OS, sys, conda and pip in python to streamline tech troubleshooting with difficult clients.

Led development and execution of an 8-week intensive reskilling course for colleagues in Python, SQL and Data science. The success of this program avoided 5 redundancies and filled missing coach headcount in the data team unlocking ~£3.5 million in booked revenue.

Key Lessons:

I learnt how to best use/run centralized communication when building/leading large projects with multiple contributors.

In this role, I learnt to better manage and understand stakeholders and dig in to their requests to find and understand their actual requirements.

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

Core responsibilities:

- o Instructing Data Science (Excel, powerQuery, BI, Tableau, Python)
- o Technical coaching and Mentoring
- o Consulting with Client middle management

Achievements and Impact:

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

I designed and built a JavaScript add-on to a newly adopted presentation system in React, the system was still under development by a 3rd party and had no speaker notes functionality I was able to build a rough API and GUI to get speaker notes to be generated from localStorage on coach browsers, this solved the problem and was used in sessions for 8 months.

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.

Key lessons:

I quickly learnt to navigate start up/scale up culture and adopted an ownership mentality

During this time I became comfortable with quickly learning new tools/coding languages/frameworks as I had to learn PowerBI (M, DAX), Tableau (visQL) and SQL in a very short period of time as part of my role.

I also learnt the importance of robust user testing before release through the two JS software projects released.

CONTACT

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POTFOLIO/SOCIAL

[GITHUB](#)

[LINKEDIN](#)

[PORTFOLIO](#)

ABOUT ME

I love strategic thinking and solving problems, especially if they are coding/automation based. As a result of this I have built a large number of personal projects over the years and quite a few professional ones too.

Having worked in a start-up/scale-up environment I have an ownership mentality and am comfortable with high levels of change/learning in my roles, I particularly enjoy the learning.

This love of learning carries over to my personal life, (I am an OU student in physics, UDEMY learner and instructor and I have taught myself carpentry and welding).

When it comes to personal development I'm a reflective person and take time to learn from both my successes and mistakes.

Importantly I get results, in all my roles I have had a tendency to quickly assimilate and become a top performer for example my transformation from industry newbie to head of technical CPD at Multiverse in just 2.5 years.

TECHNICAL SKILLS

Key: + familiar ++ competent +++ confident

- ❖ JavaScript +++
- ❖ HTML +++
- ❖ CSS ++
- ❖ Python +++
- ❖ Python for DS +++
- ❖ SQL ++
- ❖ React +
- ❖ Git +
- ❖ GITHUB/pages ++
- ❖ Data analytics +++
- ❖ Machine learning ++

RECENT PERSONAL SOFTWARE/DATA PROJECTS

I have been building my own software and websites for 5 years, I generally use a mix of JS, HTML, CSS and Python, but have also used SQL, react, and BI tools.

Speedia (Chrome extension using JS, chrome API, CSS, HTML, Manifests)

I got tired of being forced to listen/watch to content at 1.0x speed and trawling through documentation.

Speedia is a full chrome extension that adds speed controls to all pages as well as a handy speed reader so I can more quickly access all media on the net.

Quit smoking tracker (PWA app using JS, CSS, HTML, JSON, Manifests)

This project was a "hackathon" project to I used to help me quit smoking.

The application is relatively simple and uses a Progressive web app built on manifest 2.0 hosted on GitHub-pages. The "back-end" is a simple JSON object stored in localStorage.

Flash-carder (PWA-app using JS, CSS, HTML, JSON, Manifests)

This project follows ties in to scraping project. I built a flashcard and quiz display PWA using manifest and GitHub – pages so that I could rapidly build vocabulary quizzes on new words for myself.

Finnish language data (web-scraper, Python, BS4, pandas)

As part of my immigration preparation I started to build a language database so I could create quiz applications for myself to speed up learning Finnish.

I used BS4 to scrape 5000+ webpages on a popular language Finnish language site to generate a large vocabulary data set then pandas to wrangle the data.

The data has been cleaned by willing friends using some simple G-sheets formatting and SQL queries and is ready for the next phase.

In progress:

Nordic keyboard converter (Python app)

Light weight Python application that adds Unicode hotkey to windows.

Soundboard builder (Python app flask, HTML, css, js)

Light weight Python application that builds soundboards web applications.

Finnish numbers (React app, React, JS, HTML, CSS, ML, SQL, API)

Educational site in React to teach the Finnish numbers 0-1000000

Flask APIs to handle calls to a simple computer vision model for digit recognition.

DATA ANALYTICS PROJECTS

Air quality dashboard (PowerBI Dash, DAX, M, powerQuery)

A sample BI dashboards experimenting with M-Query and DAX languages and complex visualizations/controls.

ADDITIONAL INTERESTS

DISTANCE LEARNING

I am addicted to distance learning, Open university, Stack-skills, Udemy I can't get enough and often have several courses on the go. I recently enjoyed an in-depth A-Z of machine learning Python course going from regression to CNNs in Tensorflow.

Metal work/Carpentry

One way I spend my personal time is building furniture and sculpture using wood and metal @forge_lucas on Instagram.

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.

DURABLE SKILLS

- ❖ Finnish (A2-B1 level)
- ❖ Strategic thinking
- ❖ Ownership mentality
- ❖ Learner/coachable
- ❖ Reflective/self-improver
- ❖ Stakeholder management
- ❖ Team work
- ❖ Leadership
- ❖ Mentoring/Coaching
- ❖ Developing talent

EDUCATION

BSC Mathematics Brunel
University London – 2014

PGCE Mathematics Education
Goldsmiths University London - 2015

BSC Physics and Mathematics
Open university

Expected Graduation 2027, 240/360
credits completed, current average
grade 81%

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 South
America.

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 consulting with the
client's management.

L4 apprenticeships are based around a
portfolio of 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 and
their managers.

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