

# 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 3<sup>rd</sup> 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

ndtgriffiths@gmail.com

+447507710060

## 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

- ❖ 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.