



# Charlie Gunning

chas90@gmail.com | +44 (0) 7904 475365

## PERSONAL

I am a self-driven individual with over 6 years of development experience, leading development on multiple key business projects throughout my career. I have a logical mind with a practical approach to problem-solving and a drive to see deliverables through to completion. I am a quick learner. I specialise in T-SQL, but also self-develop my knowledge outside of work. I have experience using many different languages, including C, C#, HTML, JavaScript, Python and VBA.

## EDUCATION, TRAINING & ACHIEVEMENTS

### HARVARD (HARVARDX)

Jun 2021 – Present

CS50's Introduction to Computer Science

### MASSACHUSETTS INSTITUTE OF TECHNOLOGY (MITX)

Jan 2019 – Mar 2019

6.00.1x: Introduction to Computer Science and Programming Using Python

Pass (98%)

### INTERNATIONAL SOFTWARE TESTING QUALIFICATIONS BOARD (ISTQB)

Nov 2017 – Nov 2017

ISTQB Certified Tester Foundation Level

Pass

### WESTCLIFF HIGH SCHOOL FOR BOYS (SIXTH FORM COLLEGE)

Sep 2001 – Sep 2008

A-Level Geology

B

AS-Level Chemistry

B

A-Level Physics

C

AS-Level Mathematics

D

10 x GCSE

A\* - C

## ACHIEVEMENTS

- Weekly awards for taking ownership, great communication and supporting other teams in the business.
- Quarterly awards for actively seeking cross-skilling opportunities, instilling a one-team ethos, and supporting other teams by leading Excel training sessions.
- Annual awards for quickly becoming a valued member of the team and taking ownership with self-development and seeking out opportunities to encourage improvements within the team.

## PROFESSIONAL EXPERIENCE

### ORACLE RED BULL RACING

Apr 2022 - Present

SQL Database Administrator & Developer

- Sole business owner for Red Bull Racing's SQL Server Estate, spanning 70+ instances and 2,000+ databases. Data spanning all business areas, including Trackside, Simulation, Aerodynamics, Powertrains, Marketing, HR, Finance.
- Subject-matter-expert on SQL Server for Red Bull Racing. Primary consultant for database design decisions, hosting options for new applications' data, creation of new databases, query performance tuning, replication, migration.
- Creating and maintaining administrative solutions for the estate, e.g., maintenance plans, capacity tracking, alerts.
- Specifying machine build information for Infrastructure team, installing new instances on virtual/physical machines, including failover cluster instances.
- Planning and upgrading SQL Server estate to latest patches and/or migrating instances/databases to newer versions, to keep the estate within Microsoft's long-term support windows.
- Providing reporting solutions to the business through Power BI and SSRS. Also maintaining and upgrading the Report Servers.
- Leading upgrade and migration work on Red Bull Racing's code store and ALM platform (Azure DevOps Server).
- Analysing usage of our SQL Server estate and calculating licensing costs for annual Microsoft True-up submission.
- Sole developer of SQLServerMetadata, a self-built discovery tool used to capture the business' SQL estate, including information on machines, instances, and databases. The tool assists with determining patching requirements,

capacity management on a database-level to track growth and provides a place to capture other business information such as owners and purpose.

## **BARCLAYS PLC**

Apr 2021 – Apr 2022

SQL Developer

- Co-leading design, implementation and maintenance of the business's project and resource management tool.
- Lead developer on relational database design and future considerations for the above platform.
- Lead developer on merging and reconciliation of data from multiple resource systems.
- Lead developer on migrating the platform from a VBA front-end to a web-based front-end.
- Leading integration of a Version Control System into the team's processes.
- Communicating change and building relationships with key stakeholders throughout the business.
- Maintaining and prioritising work backlog items.
- Supporting the above by using tools and languages, including:
  - T-SQL (DDL, DML, TCL, DQL, tables, views, stored procedures, functions)
  - SQL Server Management Studio (SSMS), SQL Server Integration Services (SSIS – ETL/ELT)
  - Visual Studio, Visual Studio Code
  - Git, Bitbucket
  - Excel, VBA
  - HTML, CSS, JavaScript

## **WILMINGTON PLC (HEALTHCARE)**

Jul 2019 – Mar 2021

SQL Developer

- Co-leading design, implementation, and maintenance of the business's healthcare data platform.
- Supporting the above by using tools and software, including Tableau, Git, GitHub, and Visual Studio Code.
- Sole developer on producing a new user management desktop application (using Electron, Chromium, Node.js, HTML/CSS/JavaScript) receiving positive feedback from the business and reducing manual overhead considerably.
- Processing and anonymising sensitive healthcare information, including data from NHS Digital.

## **SKIPTON BUILDING SOCIETY**

Sep 2015 – Apr 2019

Business Intelligence (BI) Specialist

- Designing, implementing, and maintaining the business's Operational Data Store (ODS) and Data Warehouse (DW).
- Creating and maintaining SSIS packages to aid with the above process.
- Promoting code through different environments (i.e. Test/UAT/Pre-Production/Production) through Source Control.
- Performing systems testing on solutions and reporting defects through ticketing system (TFS 2012).
- Extensive use of SSMS to create/alter tables/procedures as well as querying the ODS/DW for analysis and reporting.
- Building reporting solutions using SQL Server Reporting Services (SSRS), Report Builder, SharePoint lists and Excel.
- Consistently being recognised for the above responsibilities and extra work through weekly, monthly, quarterly, and annual awards within the department.

## **SKIPTON BUILDING SOCIETY**

Mar 2015 – Sep 2015

Customer Adviser

## **TRUSTFORD WILMSLOW**

Sep 2014 – Feb 2015

Used Car Sales Executive

## **LADBROKES PLC**

Jul 2008 – Aug 2014

Customer Service Manager

## **VOLUNTEER EXPERIENCE**

### **GREATER MANCHESTER POLICE – OLDHAM DIVISION**

Mar 2011 – Sep 2012

Special Constable

- Same responsibilities and powers as with regular Police Officer duties.

- Patrolling the local area to create visible presence as well as deter or handle criminal activity.
- Attending local events to ensure public safety and offer support.
- Involvement in organised operations to act against drug-related criminal activity.
- Working with Response Officers to respond to '999' emergencies.

## HOBBIES, INTERESTS & REFERENCES

### HOBBIES & INTERESTS



Gaming



Driving



Riding



Travelling



Languages

### REFERENCES

References are available upon request.