**Charlie Gunning**  
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**PERSONAL**

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| 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. |
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**EDUCATION, TRAINING & ACHIEVEMENTS**

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| **HARVARD (HARVARDX)** | | | | Jun 2021 – Present | |
| CS50’s Introduction to Computer Science | | | |  | |
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| **MASSACHUSETTS INSTITUTE OF TECHNOLOGY (MITX)** | | | | Jan 2019 – Mar 2019 | |
| 6.00.1x: Introduction to Computer Science and Programming Using Python | | | | Pass (98%) | |
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| **INTERNATIONAL SOFTWARE TESTING QUALIFICATIONS BOARD (ISTQB)** | | | | Nov 2017 – Nov 2017 | |
| ISTQB Certified Tester Foundation Level | | | | Pass | |
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| **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 |  |  |  | |
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| **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. | | | | | |
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**PROFESSIONAL EXPERIENCE**

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| **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. | |
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| **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 | |
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| **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. | |
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| **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. | |
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| **SKIPTON BUILDING SOCIETY** | Mar 2015 – Sep 2015 |
| Customer Adviser | |
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| **TRUSTFORD WILMSLOW** | Sep 2014 – Feb 2015 |
| Used Car Sales Executive | |
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| **LADBROKES PLC** | Jul 2008 – Aug 2014 |
| Customer Service Manager | |
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**VOLUNTEER EXPERIENCE**

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| **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. | |
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**HOBBIES, INTERESTS & REFERENCES**

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| **HOBBIES & INTERESTS** | | | | |
|  |  |  |  |  |
| Gaming | Driving | Riding | Travelling | Languages |
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| **REFERENCES** | | | | |
| References are available upon request. | | | | |