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|  | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | |  | |  | | --- | | Alexis Coles | | 3 Turners Hill | | Hemel Hempstead | | Hertfordshire | | HP2 4LD | | [alexis.coles@live.co.uk](mailto:alexis.coles@live.co.uk)  07450 252 738 | | |

**Profile**

With 12 years of solid development experience, leading, mentoring and growing teams for the last six. I have worked on all levels of application development from heavy database development and query analysis through complex business logic to client rich UI development. Recently I have been focused on system reliability problems and enjoy the satisfaction of delivering a more reliable and robust system.

I am now looking to take a step up to a more strategic role, as I believe I can affect more positive change by directing and shaping IT strategy.

I am a great problem solver and always stop to consider the bigger picture. I am not afraid to highlight and address core fundamental problems. My ability to understand new and complex systems quickly and comprehensively is excellent. I also excel at identifying the greatest pain points, choosing a solution which will deliver the greatest benefit for the effort employed.

**Work History**

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| **Spreadex Ltd** | **March 15-Present** |
| **Lead DevOps Engineer** |  |

While joining the company as a senior software developer, I soon became the founding member of the DevOps team. The biggest pain point at the time was the promotion of code to various environments and site reliability. This was a challenge I took on whole heartedly and it led to a spectacular result.

After the first couple of projects we had proved to the business how much value could be added with a focus on automation, the DevOps team was established and grown into a vital part of the IT team.

Over the years we have developed and refined the processes to the point where DevOps has become NoOps.

We have gone from having weekly meetings about how the deployment team are going to manage 5 or 6 releases for that week, to doing 10s of releases, in hours, a day. These releases are now driven by the developers with very little need for any DevOps input at all. Site reliability is now over 4 9s, the few bugs that now make it into production are usually identified very quickly after deployment and system restored to a working state within minutes.

* **Config Management system** – automatic generation of environment / instance configuration files as part of the deployment pipe
  + Enabled automatic promotion of code to production
  + Enabled automatic synchronisation of environments.
  + Eliminated errors caused by the previous manual process.
* **Release Management automation** – building a pipeline to support Continuous Integration / Delivery, which promoted a number of services and related state changes as an atomic unit to the staging environment. Ensuring all automated tests have passed before allowing promotion to live.
  + Stopped most bugs getting into production.
  + Sped up the rate of live deployments and time it takes to get changes into production
  + Automatic rollback of changes from production or staging when an issue is detected, restoring service before most people realise there is an issue.
* **Dynamic service placement** – using a combination of consul for service discovery, HaProxy for load balancing and Service Fabric for Orchestration.
  + High availability with automatic failover.
  + In hours live deployments.
  + Reduced configuration differences between environments.
* **Infrastructure as code** – with desired state configuration, ansible, terraform.
  + Automatic creation of new environment
  + Automatic promotion of infrastructure changes.
  + Reconciliation of infrastructure issues with source control changes.

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| **Bourne Leisure Ltd** | **November 13-March 15** |
| **Lead Developer** |  |

Designing, developing and implementing a cleaning management tool for a joint brand enterprise for Butlins and Haven. In this position I have led and mentored a team of junior developers, taking responsibility for the application from design through to completion. This was a complex application, with a very client rich single page app front end. Serviced by a web API load balanced web service feeding from a windows service holding a static model of the planning data. Real time updates were provided with the help of signalR.

MSSQL Server 2008 Database.

Entity Framework 5.0  
MVC 5 / Web API 2.0

Windows Services  
SPA/Knockout.js/TypeScript/Jquery

In this position I feel my main achievements are as follows:

* Designing, building and implementing a system through the full product life cycle.
* Technically leading a team of developers introducing them to new technology and showing them new coding patterns and the SOLID principles.
* Addressing a lot of master data issues working within a massive mix of data sources.
* Designing a system that could be configured to support the different business models for the different brands with in Bourne Leisure.
* Defining and implementing a branching strategy in TFS.
* Configuring and developing a custom build and deployment process (with TFS/MsBuild/MsDeploy) introducing continuous integration to Bourne Leisure for the first time.

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| **Data Interface Ltd** | **Feb**ruary **11-November** **13** |
| **.Net developer** |  |

Analysis and Development all levels of a data reconciliation system linking financial services providers data with the IFAs. I have really grown in this position and feel I have made a big contribution to the companies codebase and development style.

MSSQL Server 2008 Database dev / SSIS.

Entity Framework 4.0/Linq2Sql  
MVC (2,3,4) /Web API  
SPA/Knockout.js/TypeScript/Jquery

In this position I feel my main achievements are as follows:

* Greatly improving the architecture of the system.
* Identifying many performance bottle necks in the system and implementing fixes that have really improved the user experience.
* Pushed for and implemented new UI technologies and refactored existing code to conform.
* Designed and implemented new data matching algorithms which greatly increased automatic matching accuracy and speed.

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| **Whistlebrook Ltd** | **February** **08- February** **11** |
| **Analyst Developer** |  |

At Whistlebrook I worked mainly on their two financial services products. The first was a BI solution targeted and building societies and banks. The second an accounting package for all. This position gave me a great foundation in a wide area of development with different programming languages and databases.

MSSQL Server 2005/8 Database dev / SSIS/SSAS/SSRS

.NET (ado.net, Silverlight) / Java / Powerbuilder

In this position I feel my main achievements are as follows:

* Putting all the theoretical database knowledge gained from my studies of SQL server into practice.
* Learning the fundamentals of BI and obtaining Microsoft qualifications for their BI tool stack.
* Becoming a competent software developer in a few different languages. Understanding many different development patterns and practices and how they can be used to create more manageable and maintainable solutions.

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| **HSBC Actuaries and Consultants Limited** | **April 07 – December 07** |
| **Credit Controller** |  |

* Producing outstanding debtor reports from MYOB and JD Edwards databases.
* Chasing all outstanding debtors via telephone, email and letters.
* Banking and allocating payments received on a daily basis.

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| **Watford Classic Cars** | **January 04 – March 07** |
| **Administrator** |  |

* Installed and configured a computer network for the garage and shop.
* Training non technical users in the new system and dealing with any problems they had.
* Responsible for maintaining the smooth operation of the computers, network and web site.
* Processing mail orders, maintaining customer records and monitoring stock levels.

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| **Heron Investments Ltd** | **March 04 - December 04** |
| **Assistant project manager** |  |

* Overseeing the smooth running of the site when the manager was absent, whilst doing a great deal of the building work that needed to be done.

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| **Computer Cabin** | **October 01 - March 04** |
| **Computer Repair Technician** |  |

* Diagnose and repair PCs
* Build PCs to order and going on site to install and configure computers networks.
* Supporting customers over the phone.
* Discussing with customers what their needs for their computer system are, converting them into a technical spec and explaining the relevance and importance of each component.

**Education**

**Microsoft Qualifications**

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| **70-290** | Managing and Maintaining Microsoft Windows Server 2003 Environment. |
| **70-431** | Microsoft SQL Server 2005 - Implementation and Maintenance. |
| **70-448** | Microsoft SQL Server 2008, Business Intelligence Development and Maintenance |

**Plymouth University**

HND Computing

Passed - Software Engineering Principles, Information Processing Systems A, Business Communication Skills 1, Software Engineering Practice, Computer Operations, Information Processing Systems B, Information Technology Tools

**Francis Bacon Secondary School**

A’ Levels includingBusiness Studies, Geometrical and Mechanical Design and General Studies

GCSEs includingEnglish language, English Literature, Maths, Drama, Double Science, IT, History, Electronics and French

**Personal Interests**

I have a great interest in computers and find myself helping friends and family with problems they incur with their PC’s.

I am an active person and enjoy getting out and doing things. My main hobbies are Mountain boarding, Golf, Paintball and working out at the gym.