



# Alex John Bush

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 github.com/alexjbush

## EMPLOYMENT HISTORY

### KPMG New Zealand

Associate Director  
Senior Manager  
Manager

From August 2019 to now

From April 2022 to now

From April 2021 to March 2022

From August 2019 to March 2021

### Cox Automotive

Lead Data Engineer  
Hadoop DevOps Engineer

From November 2016 to August 2019

From April 2018 to August 2019

From November 2016 to March 2018

### Hortonworks

Senior Consultant

From December 2015 to November 2016

### British Gas

Hadoop Platform Engineer  
Graduate Hadoop Software Developer  
Hadoop Platform Engineer

From September 2013 to November 2015

From January 2015 to November 2015

From May 2014 to January 2015

From September 2013 to May 2014

## EDUCATION

### MPhys, Masters in Computational Physics with Honors

University of Edinburgh

Masters Project: Radiative Transfer on GPUs using NVIDIA CUDA

Senior Honors Project: Lattice QCD on GPUs using NVIDIA CUDA

## CERTIFICATIONS

### Microsoft Certified: Azure Solutions Architect Expert

Microsoft

Valid from February 2022 to February 2023

### Microsoft Certified: Azure Data Engineer Associate

Microsoft

Valid from April 2020 to April 2023

### Microsoft Certified: Azure Developer Associate

Microsoft

Valid from February 2022 to February 2023

### Microsoft Certified: Azure Cosmos DB

### Microsoft Certified: DevOps Engineer Expert

Microsoft

Valid from January 2022 to January 2023

### Microsoft Certified: Azure Security Engineer Associate

Microsoft

Valid from September 2020 to September 2022

### Microsoft Certified: Azure Administrator Associate

Microsoft

Valid from January 2022 to January 2023

### AWS Certified Big Data – Specialty

**Developer Specialty**  
Microsoft

Valid from **June 2022** to **June 2023**

**HDP Certified Administrator**

Hortonworks

Valid from **April 2016** indefinitely

Amazon Web Services (AWS)  
Valid from **January 2020** to **January 2023**

TECHNICAL SKILLS

**Data Engineering**

Apache Spark, SQL, Hive, and  
Databricks

**Cloud Engineering**

Azure and AWS

**Infrastructure / Platform**

Linux / Unix and SSL / Certificates

**Software Engineering**

Scala, Python, C#, and Functional  
Programming

**DevOps / Automation**

Azure DevOps, Azure Pipelines, ARM /  
BICEP, Bash, Github, and Github  
Actions