

Curtis Fairlie

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Experience by Technology

Amazon Web Services

6 Years Engineering/Developing and Designing solutions for multiple customers in MSP or Professional Services roles. Production experience with ECS, ECR, Route53, ACM, Pipeline, CodeBuild, RDS, IAM, Control Tower, Organisations, RAM, Transit Gateway, EC2, ELB, Lambda DynamoDB, S3, System Manager, VPC and many more Terraform AFT, GitHub integration

Azure

Intermittent, Integration with AWS SSO small VM workloads and general understanding of services

Google Cloud Platform

Intermittent, Container based hosting in Cloud Run, Cloud SQL, ETL Automation, GitHub integration

MSSQL DBA

5 Years Large/medium scale Finance and Medical critical databases on a variety of High Availability solutions, Mirroring, Always On, Always on Availability Groups, Windows Failover Clustering, DBATools.io, Idera Server Manager, spotlight, SSIS, SSAS, ETL, Tuning, TSQL and development, Commvault

Database Engineering/Development

Many years working with varying RDMS including PostgreSQL, MySQL and AWS RDS

Developer

Many years with a variety of languages including Java, .Net, NodeJS, Typescript, JavaScript and several languages/technologies such as ASP classic, ColdFusion, MS Access, VBA, PIX, SOAP and RMI that have been retired or are less common. Mobile App development in Angular/Native Cloud

Solution Architect/Design

8 years chiefly with a statewide Queensland organisation providing technical leadership, planning, design and implantation roles to a varied multisite varied collection of departments.

Technical design and best practice guidance to Digithink Interactive for larger projects such as RAL and Fotopost/Kodak

Linux

Ubuntu, AWS Linux, CentOS and RHEL administration and systems maintenance, patching installation. Containerisation, Apache, Tomcat, MySQL, PostgreSQL, Bash, SSH

Windows Ecosystem

Windows NT 4 Server to Server 2019, Active Directory, Group Policy, Multisite networking, PowerShell automation, various windows desktop clients, packaging and delivery systems, ADFS, Exchange, Office 365, MSSQL Server, IIS, SharePoint, DNS, DHCP, Remote Desktop Server, Failover Clustering, DFS, Commvault, VDI, Citrix Branch Acceleration, DELL Kace

1000/2000/AppAssure, Tape systems and whole lot of outdates stuff like Forefront/ISA/Terminal Server etc...

Career history

AWS DevOps Engineer at Leaven/CCL

Feb 2023 - Apr 2024 (1 year 3 months)

My most recent experience is as an AWS DevOps Engineer and creating cloud Infrastructure as Code using Terraform and a wide variety of AWS services. My role was composed of migration, automation, application modernisation and development activities

Clients/Projects:

Development of inhouse Terraform productivity library modules:

- AWS DNS
- AWS Backup

Blackwood's - Wesfarmers

- Multi cloud integration with Azure
- AWS local zone AWS Landing Zone commissioning
- AWS Control Centre

Spark Genesys Integration

- Design and Develop integration to allow onsite interactions with customers to integrate with the Genesys unified comms solution
- Create various Lambdas, S3, API Gateway, Cognito and Step Functions to support integration
- Create front end components in Angular and then migrate to JavaScript

Comrad Medical Systems

- Rebuild the Terraform state after catastrophic loss
- Reassert existing Terraform
- Assist with mentoring staff on Terraform best practice and usage

Hyndes Pipes

- Support the rollout of AWS discovery assets to the client and capture into AWS Migration
- Advise on MSSQL Migration
- Contribute to business case

Trojan Holdings

- Compose landing zone architecture documentation
- Carry out deployment of landing zone – AWS Control Tower and various other additional Landing Zone configuration
- Configure Azure integration/SSO

Database Engineer - Contract at Auckland Council

Apr 2022 - Dec 2022 (9 months)

Design and run a PostgreSQL high availability proof of concept using Patroni/pgPool Ubuntu/RHEL EDB and failover manager in Azure. Provide DBA assistance to the MS SQL team.

The work required the documentation and creation of multiple shell scripts (as a library) for the installation, maintenance and recovery of high availability PostgreSQL. This included demonstrating and training other staff in PostgreSQL as well as Linux. I was also asked to consult on Linux distribution package management where I demonstrated patching and managing packages. I used containers on AWS EKS (Kubernetes) to accelerate the various PoC's and demonstrate failover etc...

Solutions Architect/Developer - Contract at NZDF - Compliance Manager

Feb 2021 - May 2022 (1 year 4 months)

Create an asset compliance and certification Mac Tablet mobile application for use in NZDF facilities. The application allowed multiple bases to be created and assets located in them to be assigned compliance criteria and schedules. The assets would be awarded certification on successful audit. The app was designed to tolerate connection loss and interrupted input/timeouts etc...

I built the App using Angular/Ionic and was integrated into a CICD pipeline to the Apple Store using AWS/Ionic Build/GitHub and Apple Store. The App used secure APIs built in AWS Lambda/API Gateway to consume and update data from AWS DynamoDB (NoSQL). Associated asset pictures and audit evidence was stored in AWS S3 and AWS WAF/AWS Config/AW Guard Duty. Infrastructure was initially created AWS SAM but was migrated to CloudFormation.

Senior SQL Database Administrator and Cloud Consultant - Contract at Fronde

May 2019 - Sep 2021 (2 years 5 months)

Hybrid role conducting AWS development and support alongside Senior MSSQL

- Provide expert guidance/best practice to MSSQL projects.
- Provide automation to cloud systems.
- Technical Lead function to AWS Projects
- Drive innovation and best practice in AWS/SQL Server/Design

Amazon Web Services experience: RDS, ECS, ECR, DynamoDB, Lambda, EC2, SSMS, Code Build, Code Commit, Code Pipeline CloudWatch, API Gateway, Route 53

Google Cloud Services: Code Run, Code Engine SQL

Tools: GTA Service Desk, Jira, Confluence, PRTG, .Net Core on Linux, Slack, Docker, Kubernetes

Clients/Projects:

- Woolworths - .Net Core/MSSQL/Container development/App Modernisation
- Paymark - Solutions Tech lead and DBA
- Nova Energy - Solutions Tech lead - Lake Formation and Cloud Basic Data replication
- Transpower EMS - MSSQL DBA
- Farm IQ - MSSQL DBA
- Education Payroll Ltd - Access Migration and MSSQL DBA
- Fronde – Design and develop container based advanced Patching as a Service in AWS ECS

SQL Database Administrator at BOP District Health Board

Sep 2016 - Feb 2019 (2 years 6 months)

Support and maintain the SQL Server Infrastructure (12 Clusters + 4 BI)

- Provide high availability to applications with critical impact.
- Develop relationships with Application Support Teams
- Support and maintain additional application servers (27)
- Assist with development best practice.
- Develop and Support ETL activities as required.
- Develop reports as required.
- Improve monitoring.
- Performance Tuning
- Backup and Recovery
- Documentation
- Assist the BI DBA/Lead report writer with technical assistance.

Achievements:

- Multiple Upgrades to the shared midland Results repository database
- Develop Baselines, Monitoring and Alerting standards.
- Tuning vendor releases and assisting with development.
- Rewriting all operational documentation
- Renewing cooperation within the technology team
- Demonstrating best practice
- Develop and carry out wholesale database upgrades to meet minimal supported versions
- Design and carry out migration from OnPrem to new hosts in Kapua.
- Modernise all SQL cluster builds and operating system requirements.

Solutions Architect/Infrastructure Manager at Spinal Life Australia

Mar 2009 - Sep 2015 (6 years 7 months)

Delivery infrastructure design, support and development services to a Queensland wide Disability Health Service including Occupational Therapist, Call Centre and Support Services for over 4000 staff, Disability Advocacy, Marketing and Research and Corporate Services

- Provide consultancy on Technology and Infrastructure design.
- Package and maintain all software deployment/updates
- Deliver Line of Business applications to the various departments

- Maintain/change and develop the infrastructure.
- Team Lead the support Team/act as highest escalation point.
- Produce and maintain all technical documentation.
- Submit proposals, business cases and contribute to strategic decisions.
- Maintain the on Prem data centre and shared building services
- Develop applications and or data ETL as required.
- After hours support esc

Accomplishments:

- Complete Technology refresh/retool for sweeping industry changes.
- Carry out multiple infrastructure upgrades from Cairns to the Gold Coast
- Implement VDI solutions and Branch Acceleration
- Various branch office upgrades in remote regions
- Multiple Business Continuity Exercises
- Migration to Office 365
- Federated Identity Management Implementation
- Lync Video implementation
- 2 Data centre migrations
- Implemented Imaging and Automation
- 2 Complete Data Centre refreshes including Core networking and SANs
- Establishment of Recovery Site

Technology:

Windows Server, VMWare vSphere, DELL EqualLogic, HP Lefthand, Cisco Catalysts, Citrix Branch Acceleration, Citrix Xen Server & VDI, Dell KACE, Double Take, Office 365, MS Exchange, MSSQL Server, DELL AppAssure, SharePoint, VMWare Site Recovery, VB.Net SSO solutions and various other software developed. Microsoft Online (Azure), Exchange Online ... many more

Solutions Consultant - Contract at Digithink

May 2008 - Feb 2009 (10 months)

Oversee downscaling of business and migration of web hosting platform. Manage contractors, outsourcing and client changes during transition.

SQL Server/Plesk/IIS/ASP/ASP.Net/DNS migration/Coldfusion/Client management/Platform migration

Analyst Programmer at Lakes District Health Board

Jan 2006 - Feb 2008 (2 years 2 months)

Technical support to application updates to the Clinical Intranet

MSSQL/IIS/COM+/ASP.Net/ASP support

Develop and carry out the Lakes DHB BCP procedure for Operation Crockshank (Pandemic planning)

Internet Solutions Consultant/Lead Developer & Infrastructure Engineer at Self-employed & Digithink Interactive
Jan 2003 - Jan 2006 (3 years 1 month)

Consult and Develop websites/desktop apps, support and manage the hosting systems (ASP, .Net DNS MSSQL Database IIS Windows Plesk MySQL JSP Redhat Custom firewalls cPanel etc...) Team and technology leadership. Develop and support new products.

- fotopost.co.nz - website to photo production integration and drag and drop upload OCX (VB, JSP, MySQL, MSSQL, Redhat Linux, SOAP, ASP.Net)
- Taupo District Council - Website Mods in ASP
- Mt Ruapehu - RAL website CMS in Coldfusion
- Lake Taupo Cycle Challenge - Signup website and Payment gateway integration
- Landau Securities - Salesforce integration
- many others

Senior Developer at Zivo
Apr 2003 - Aug 2003 (5 months)
ASP and VB development of COM+ objects, ColdFusion development for TAB.co.nz. Left when the company was acquired by Telstra.

Developer at Shift Limited
Jan 2001 - Jul 2003 (2 years 7 months)
Develop and maintain the New Zealand websites for Tourism NZ in ColdFusion/MSSQL Server

Manage and maintain the local network. Manage all external public DNS Servers (Debian/Slackware)

Develop various content management solutions for client's (LTSA/DB Export Gold) Active Server Pages, Java Server Pages, ColdFusion SQL Server, MS Access, MySQL

IT Database Analyst at BRC Research
Feb 1999 - Jan 2001 (2 years)

Carry out data transformation and application development. Develop MS Access database solutions and data entry databases for paper surveys. Maintain the LAN, Desktop and Servers