

Adam Reynolds

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GENERAL INFO

- Highly skilled MySQL DBA, infrastructure and software engineer with considerable experience in observability, development and team management.

SKILLS

- **Database:** MySQL, MSSQL, Oracle 11g, ElasticSearch/OpenSearch, MongoDB
- **Observability:** Grafana, Kibana, Nagios, Prometheus/Alert Manager, Dynatrace, Splunk
- **Infrastructure:** Terraform, Helm, AWS (EC2, S3, ES, RDS), OCI, RedHat Linux, GitLab, GitHub, ArgoCD

EXPERIENCE

2018-Present **ORACLE, CAMBRIDGE**

Principal Software Engineer

- Designed and deployed multi-region, highly available, Grafana service on Kubernetes via ArgoCD and Gitlab, utilising Terraform and Helm backed by a MySQL InnoDB Cluster
- Worked with stakeholders across multiple teams to build data visualisations in ElasticSearch and Grafana, enabling anomaly detection and reporting in complex datasets
- Managed Elasticsearch deployments across both AWS ES and self-hosted on Kubernetes
- Built a service to automate the deployment of a Splunk cluster in OCI using Terraform for the Platform Security team, reducing deployment times by 80%
- Securely implemented a service to automatically deploy per team alert pipelines connecting AWS Cloudwatch alerts to internal the Oracle alerting service using AWS Lambda and SNS
- SME for MySQL and general technical consultant for development teams
- Created a critical Observability tool to monitor a \$300m/year revenue service that ran multi-layered end to end tests from a customer perspective
- Scrum and SaFE certified and became de facto Scrum Master for multiple teams
- Created a Single Pane of Glass Observability solution displaying thousands of service and infrastructure metrics
- Office Fire Marshal, First Aider and Mental Health First Aider
- Organised social events for the Cambridge office including Food Vans, office Arcade nights, and bi-weekly talks from colleagues on a range of work and personal subjects

2016-2018 **GRAPESHOT (ACQUIRED BY ORACLE IN 2018), CAMBRIDGE**

MySQL DBA, Scrum Master, Developer

- Managed MySQL service. Completed an eight month project to secure, update, and replace inefficient structures reducing hardware requirements and improving performance by 45%
- Introduced Elasticsearch to manage the large data volumes. Designed and implemented six month project to migrate data from MySQL to AWS ES resulting in performance improvements of 76%
- Evaluated problematic and poorly designed MongoDB service and designed a higher performing replacement service in MySQL
- Served as Scrum Master for multiple development teams, introduced Jira and took the role of Jira administrator to implement projects, workflows, and boards

2007-2016 **TRUPHONE, LONDON**

Senior MySQL DBA and DBA Team Lead

- Led five person DBA team responsible for MySQL, MSSQL, Oracle and MongoDB databases in various states including standalone, clustered, replicated and DRBD
- As head MySQL DBA managed eight production databases across 22 servers and over 1TB of data
- Implemented database monitoring across all systems and built automated KPI reporting tools
- Responsible for DB licence management ensuring compliance and efficient licence usage
- Led team through specification, installation, and maintenance of all database services including backup management and testing
- Liaised with development teams to review schema, usage, and ensure maintenance windows
- Operated as third-line support for 24/7 Customer service. Implemented improvements by deploying common solutions as database Stored Procedures to enable first & second line support to safely fix common problems
- Performed impact assessments to cost out hardware and setup costs of future projects

- Liaised with the Business Intelligence team creating critical business reports including P&L, VAT, and US state tax reports. Additionally provided data into BI data cubes for customer pattern analysis
- Developed process to enable Billing Operations team to refresh test environment with 600Gb+ production data in just 10 minutes utilising VMware cloning and NetApp disk deduplication
- Designed and implemented anti-fraud measures to detect automatically generated accounts
- Managed team HR functions including 24/7 on-call rota and performance reviews

2000-2007

ACTIVE HOTELS (NOW KNOWN AS BOOKING.COM), CAMBRIDGE

Senior Database Administrator

- Responsible for over 80GB of MySQL databases supporting the live booking and monitoring systems
- Liaised with development teams on schema design, changes and diagnostics
- Implemented Sarbanes-Oxley compliant replication, backup, storage, and recovery strategies
- Physically installed and administered 100+ Red Hat Linux servers
- Implemented observability and alerting service, and was part of the 24/7 on-call rota
- Hired, trained, and mentored new staff to grow the business
- Designed and implemented a JIRA ticketing system for the Support teams
- Heavily involved with the early versions of the website service and bridging between technical and non-technical stakeholders, exposing me to business priorities and eCommerce website priorities
- Designed and arranged installation of 5 km of cable for an expandable 60 port phone/network system, fully operational within 7 days of receiving the brief
- First Aider, Health & Safety Officer, and Fire Safety Officer

1995-2000

SYPHAX IMAGING REPRODUCTIONS LTD, CAMBRIDGE

Multimedia Developer/IT Support Technician

- Sole tech support for the company including Apple desktops, Windows NT file servers, a digital proofing system and two laser film setters
- Built a screen saver, a virtual room decorating system, created VR photographs of antiques and country houses as well as building a VR store for B&Q

EDUCATION

1992-95

UNIVERSITY OF BOURNEMOUTH

BSc Applied Psychology & Computing, 2ii

- Dissertation – The Effects of Binocular Rivalry on Wearable Monocular Display Screen Systems

QUALIFICATIONS

- Oracle Cloud Infrastructure Foundations Associate 2022
- MySQL 4.1 Core & 5.0 DBA Certified
- M102 MongoDB for DBAs
- Scrum Alliance and Scaled Agile (SAFe) certified

PERSONAL & CHARITABLE

- Built a music room management bot for deepcuts.fm in NodeJS with database backend that manages queues, collates tracks, and has its own currency - <https://github.com/jodrell2000/DaManagement>
- Avid Golfer (18 handicap)
- Amateur beer brewer and creator of the "Magic Beer Fridge"
- Vs Arthritis: Olympic Triathlon & a 5 ¼ mile Open Water swim in Coniston Water raising £350
- Cancer Research UK: 3000 press-ups in one month challenge raising over £500

REFERENCES

- Available on request