**Candidate Name: John Jeffries**

**Location: Singapore**

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**SUMMARY OF EXPERIENCE**

I am an experienced Cloud Engineer and Technical Author currently based in Singapore, passionate about technology, always seeking to leverage new skills, products and features. Employed within the financial sector, I consult on enterprise wide infrastructure solution and design, particularly in database technology, process automation, cloud orchestration, vulnerability management and data migration.

Originally from a database background, I have over 20 years IT experience, during which time have built, migrated and supported mission critical systems at database and application layers. As a subject matter expert, I am focused on IT service management and strategy, employing open source technologies, vendor products and cloud-based services to deliver cost-optimised solutions to the business.

I am an AWS certified solutions architect and certified Oracle DBA and GoldenGate implementation specialist and the author of two books where I share data integration tips and tricks. Often invited to present at technical meetups, the latest of which I delivered at Google Singapore Developer’s Space for the BigDataX Data Engineering community.

**CAREER**

**Standard Chartered Bank – Singapore**

**Senior Cloud Engineer – Cloud Engineering May 2016 – Present**

Originally working in a “start-up” capacity to build the public cloud environment for the bank, my current engagement is to design, implement and automate provisioning of infrastructure and services to support the deployment and migration of global banking applications to the public cloud (IaaS). The IaaS automation provides security baseline provisioning, image management and vulnerability management that features monitoring, detection and remediation functions. My role includes:

* Work closely with cloud service providers and vendors to deliver cost effective cloud-based solutions conforming to industry standards and best practices.
* Ability to lead engineering teams on cross functional delivery requirements.
* Lobbying stake holders on the technology onboarding of new cloud products and services.
* Proven experience in VM image and database migrations to public cloud using native tools, cloud services and vendor products.
* Proficient in coding using bash, Ansible, groovy and Terraform to deliver automation through Jenkins pipeline and Rundeck workflow.
* Orchestration of services on Linux virtual servers, including HTTPD, JBoss, PostgreSQL, NFS, SSH, LDAP using Ansible.
* Delivery and integration of software tools and IaaS solutions using REST APIs.
* Adopting scrum based agile working practices.
* Ensuring cloud based projects and solutions are aligned to ITIL methodology including security, compliance and governance standards.
* Provide quality supporting documentation for collaboration with technical staff and user base using Confluence and Jira.
* Facilitate on-boarding applications to production using Jenkins CI/CD pipeline and DevOps tool chain.
* Automated inventory management and reporting.

**Technical Architect – Global Database & Middleware Engineering July 2014 – May 2016**

Appointed to the bank’s Database and Middleware Engineering department in Singapore to provide group wide infrastructure solution, design and consulting. The role included the following activities:

* Engaging with global engineering teams to design, develop and deliver quality strategic solutions across the bank.
* Liaising with stake holders on a daily basis to address any project issues.
* Vendor management to learn of new products/features and execute proof of concepts.
* Risk management to mitigate breech of security incidents.
* Writing and reviewing technical specifications in response to business requirements.
* Packaging of gold builds and document implementation guides.
* Enforcing best practice on the design and build of Database as a Service cloud architecture, ensuring high performance and scalability on the Oracle software stack to support OLTP and multi TB environments.
* Conducted detailed database performance reviews and resolving system bottlenecks.
* Liaising daily with staff at all levels across multiple departments and continents.
* Presenting technical solutions on key new features to senior management.
* Conducting proof-of-concepts on new technologies and hardware.
* Scoping technical plan for data and software migration to new infrastructure.
* Building and supporting enterprise wide management systems with developed enhancements for OEM12c Cloud Control, including SSO through OIM/OID and OEM warehouse (OEMWH).
* Designing and building backup solutions for enhanced recoverability.

**Database Architect – Database Projects Financial Markets May 2012 – July 2014**

* Hired as Oracle GoldenGate SME to redesign, implement and support a real-time, bi-directional data replication solution for SCB’s global trading and market data system that effectively reducing latency SLAs from 15 to less than 1 minute.
* Provided 3rd level technical production support to Oracle DBAs.
* Designed and implemented an OGG 12c solution that works around batch job replication lag during bulk database operations.
* Seconded to Liquidity & Risk Development team on a data migration project as the “go to” person for Oracle DB design and performance issues for Fermat ALM and Moody’s Analytics risk management product implementation.
* Engaged with DevOps teams to design and develop automated solutions to enable fast data refresh of environments.

**Thomson Reuters – Canary Wharf, London**

**Oracle Consultant**

**Oct 2010 – May 2012 (contract)**

* Hired as primary trouble-shooter, providing production support on the complete Oracle 11g technology stack for all mission critical systems in the Markets Transactions Development department, including the world’s largest FX trading system.
* Provided onsite reactive and proactive support on test and development systems in the Markets Transactions Development department across multiple development projects.
* Provided consultant services on Oracle best practice for the design and build of an Oracle 11gR2 regulatory database system. The RAC system, built on Oracle Enterprise Linux 5.3 64bit includes Active Data Guard and GoldenGate CDC for HA and data replication, featuring 20TB of EMC SAN storage managed through ASM.
* Designed and developed PL/SQL packages for functional and non-functional enhancements to support global production systems.
* Conducted focused proof-of-concept on new Oracle products relating to the client’s IT roadmap. This included Oracle Database Machine 2 with Exadata storage and Oracle GoldenGate 11g real-time data replication.

**Oracle Advanced Customer Services – EMEA**

**Jan 2009 – Oct 2010**

**Senior Principal Consultant**

* Appointed to a banking client as Oracle subject matter expert to advise, design and implement a platform build to support a HA database system for the largest global FX system. The strategic trading system went live in September 2010 supporting 17,000 users after a successful migration from Sybase to Oracle.
* Responsibilities included the delivery of an Oracle Validated Configuration on Oracle Enterprise Linux 5, using 11g R1 software and 11g new features incorporating Oracle best practices. The system built on MAA employs the following technologies; RAC, ASM, Active Data Guard and Streams on EMC SAN storage, plus OEM 10.2.0.5 Grid Control.
* Provided onsite reactive and proactive support for complete Oracle technology stack in Transactions Development department, including defect resolution, configuration and performance tuning.
* Received an Oracle ACS Delivery & Operations award for excellence in Q4 FY09 and Q2 FY10 to formally recognize my work at Thomson Reuters.
* Designed and developed a backup and recovery solution for fast recovery from catastrophic failure using Oracle technologies.
* Supported Oracle ACS presales activities.

**Oracle Corporation**

**Senior Principal Consultant**

**Oct 2006 – Dec 2008**

**Clients**: Dell, Vodafone Group, BT

* Customized delivery and implementation of Oracle products
* System Integration
* Design, develop, test and tune ETL interfaces
* Performance tuning at application and database tiers
* Managing customer expectations

**Siebel Systems**

**Senior Consultant**

**Feb 2005 – Sep 2006**

**Clients**: Telecom Italia, Vodafone Group

* Customized delivery and integration of Siebel products
* Design, develop and test ETL interfaces
* Tune application code for OLTP and OLAP

**PRIMARY SKILLS**

**Programming languages** bash, perl, python, XML, HTML, JSON, groovy, YAML, PL/SQL, SQL

**DevOps / Cloud Tools** IntelliJ, PyCharm IDE, Cisco Cloud Center (CliQr), Ansible, Jenkins, Rundeck, Stash, git bash, Bitbucket, Artifactory, Cloud Formation, Terraform, Confluence, Jira

**Cloud services** AWS EC2, AWS RDS, AWS VPC, AWS Lambda, AWS S3, AWS Kinesis, GCP SQL Cloud, GCP Cloud Spanner, GCP BigQuery

**Virtualization** VMWare, Docker

**Operating systems** Linux, Unix, Solaris, Windows

**Databases** Oracle 11g, 12c, PostgreSQL, MS SQL, MySQL

**Big Data** Apache Hadoop, Hive

**DB Performance Tuning** AWR, ASH, OSW, ORAchk, RDA, tkprof, SQL Trace, SQL Profile, SQL Hints, Orion, Swingbench, pgAdmin, HammerDB

**Oracle Products and Features** GoldenGate, OLAP, OLTP, ETL, ELT, Partitioning, RAC, ASM, Data Guard, Advanced Queuing, Streams, RMAN, Flashback, SOA, OID, OEM 12c Cloud Control / Ops Center, XAG, Weblogic

**Industry Experience** Banking, Telecommunications and Retail

**Business Processes** **Ability to:**

* lead a team in quality software product development through to implementation and delivery.
* provide technical and professional skills to translate business needs into technical solutions.
* diagnose and rectify defects occurring in mission-critical production environments.
* design, develop and test performance enhancements to production systems through change management process.
* deliver effective training to technical and non-technical staff.

**Architectures** Database as a Service (DaaS), Multi-tenant, Cloud Computing: PaaS, SaaS, IaaS

**PUBLICATIONS**

**Feb 2011** Oracle GoldenGate 11g Implementer’s Guide (ISBN 978-1849682008)

**Jul 2015** Oracle GoldenGate 12c Implementer’s Guide (ISBN 978-1785280474)

**CERTIFICATIONS AND AWARDS**

**Oct 2019** AWS Certified Solutions Architect - Associate

**May 2017** PostgreSQL Certification

**Apr 2011** Oracle Certified Professional 11g – Database Administrator

**Mar 2011** Oracle Golden Gate 10 Certified Implementation Specialist

**June 09/Jan 10** Oracle ACS Delivery & Operations award for excellence Q4 FY09 & Q2 FY10

**June 2007** Oracle Certified Professional 10g – Database Administrator

**Aug 2003** Oracle Certified Professional 8i – Database Administrator

**EDUCATION AND TRAINING**

**Jun 2019** Microsoft Azure Administrator

**Nov 2017** AdvancedArchitecting on AWS

**Mar 2017** Architecting on AWS

**Oct 2016** PostgreSQL 9 – Advanced Administration

**Apr 2016** Oracle WebLogic 12c Administration Ed 1

**Nov 2014** Oracle Enterprise Manager Ops Center 12c Administration Ed 1 – Oracle University

**Mar 2010** Oracle GoldenGate 10.4 Fundamentals of Transactional Data – Oracle University

**Feb 2010** Oracle Database 11gR2: Administration Workshop I Ed 2 – Oracle University

**Jun 2009** Linux System Administration – Oracle University, London

**Mar 2009**  Oracle Database 11g: Implementing Streams – Oracle University, London

**Feb 2008** Oracle Database 10g: RAC for Administrators – Oracle University, Dublin

**Jul 2007** Oracle Database 11g: New Features – Oracle University, London

**Dec 2006** Oracle Database 10g: New Features for Oracle8i DBAs – Oracle University

**Sep 2006** Oracle Warehouse Builder Implementation 10g R2 (Part 1 & 2) – Oracle University

**Sep 2001** Oracle Database Tuning version 8.1.7 – Oracle University, London

**1993 – 1994** City & Guilds in Computer Programming – Watford Technical College

**1981 -1984** National Cert in Communication Engineering – Watford Technical College

**1980 - 1981** TEC Diploma in Electronics – Watford Technical College