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Summary

Security-focused AI-native Senior Site Reliability Engineer with 15+ years of experience driving cloud-native infrastructure transformation, system resilience, and developer productivity. Expert in building Python microservices with FastAPI, engineering secure GCP platforms, automating zero-trust network policies, and managing high-availability database architectures at scale.

Career History

Senior Site Reliability Engineer | Intuit (Credit Karma) | Aug 2022 - Present

- [ ] Maintained strict SLAs/SLOs across core GCP microservices, leveraging Error Budgets to balance deployment velocity with system stability while defining strict RPO and RTO targets for disaster recovery scenarios.
- [ ] Architected an internal developer platform in Python, streamlining service scaffolding and significantly improving developer experience and onboarding velocity.
- [ ] Executed major-version database upgrades for 50+ GCP MySQL instances (5.7 to 8.0/8.4) and evaluated Google Cloud Spanner, delivering reusable Terraform modules and Customer-Managed Encryption Keys (CMEK) for enterprise data compliance.
- [ ] Overhauled secrets management by migrating legacy SOPS workflows to External Secrets Operator (ESO) and GCP Secret Manager, while optimizing a Python utility for multi-cluster Consul key management.
- [ ] Directed the deployment of Liquibase for database release automation and schema migrations across UK production environments, eliminating manual deployment risks.
- [ ] Led the migration from an in-house service mesh to Istio service mesh, enhancing zero-trust security, traffic management, and observability across multi-tenant GKE environments.

Technical Specialist – Database Reliability Engineer | Wiley | May 2021 – Aug 2022

- [ ] Established and enforced DevOps and Database Reliability Engineering (DBRE) standards across database operations, standardizing incident response, backup validation, and reliability practices across multi-region environments.
- [ ] Spearheaded the migration of legacy, manually managed cloud database infrastructure to Terraform, ensuring reproducible deployments, drift detection, and automated provisioning.
- [ ] Engineered a comprehensive Ansible configuration management suite, automating database patching, configuration drift remediation, and security hardening across the database fleet.

- [ ] Architected and launched a centralized Database Health Dashboard utilizing Python, AWS Lambda, API Gateway, CloudBuild, and RDS, delivering real-time telemetry, capacity planning insights, and landscape-wide visibility for mission-critical databases.

Senior Database Lead | Cake Engineering | 2016 – 2021

- [ ] Designed scalable data infrastructure and implemented multi-region High Availability (HA) and Disaster Recovery (DR) strategies to ensure near-zero downtime across critical business data stores.
- [ ] Spearheaded the end-to-end migration of legacy VM-hosted databases to AWS RDS, improving operational efficiency, automated failover capabilities, and system manageability
- [ ] Led the architectural design and rollout of a modern data platform/data lake utilizing Apache Spark and AWS S3 for company-wide analytics, replacing a legacy MySQL and Hadoop Datamart.
- [ ] Managed and operated production Hadoop clusters, configuring core nodes and enforcing master/data node High Availability and cluster resilience.
- [ ] Oversaw the entire enterprise database fleet—enforcing proactive alerting, capacity planning, cost-effective resource right-sizing, and query performance tuning to resolve latency bottlenecks.
- [ ] Engineered custom failover and recovery processes for CouchDB 1.7 and evaluated CouchDB 2.0 for production cluster upgrades.

Technical Analyst | Millennium IT | 2015 – 2016

- [ ] Managed, patched, and upgraded core database environments for tier-1 Sri Lankan banks and international stock exchanges under strict financial regulatory compliance requirements.
- [ ] Led end-to-end server provisioning, including hardware spec selection, Linux kernel tuning, OS configuration, and deployment of mission-critical Oracle Enterprise Edition databases.
- [ ] Engineered enterprise high-availability architectures utilizing Oracle RAC (Real Application Clusters) and Oracle Data Guard for zero-data-loss failover capabilities.
- [ ] Engineered a custom database replication engine using low-level logging automation to deliver continuous Disaster Recovery capabilities for Oracle Standard Edition environments—a feature natively restricted to Enterprise Edition—saving clients significant licensing costs.
- [ ] Acted as a primary escalation engineer for high-severity production incidents, delivering rapid on-site troubleshooting in live financial operations rooms while driving query and database performance optimization.

Senior Oracle DBA | ShipXpress Inc | 2012 – 2015

- [ ] Administered high-volume Oracle database environments with a focus on strict information security, conducting routine vulnerability assessments using Qualys and executing security patch routines.

- [ ] Provisioned core infrastructure from the ground up—selecting server hardware, configuring enterprise network routers/switches, and managing Storage Area Networks (SANs) with iSCSI logical volumes optimized for database I/O performance.
- [ ] Tuned Linux kernel parameters (memory allocations, I/O schedulers, IPC limits) and database configurations, executing deep SQL query optimization to eliminate system bottlenecks.
- [ ] Configured and maintained mission-critical internal system dependencies, including enterprise DNS, DHCP, and mail infrastructure, ensuring zero-downtime service discovery and system notifications.

Associate Systems Support Engineer | Millennium IT | 2010 – 2012

- [ ] Provided technical support for client applications; utilized Oracle, SQL, Linux, PHP, HTML, and Bash.

IT Research Engineer | Arthur C Clarke Institute | 2009 – 2010

- [ ] Developed applications to meet client requirements using C++, VB, and MySQL.

Education

- [ ] B.Sc. in Engineering in Electronics and Telecommunications – University of Moratuwa *(2009)*

Certifications

(Portfolio: https://certdirectory.io/profile/sajeeva)

- [ ] **Cloud Platforms & Architecture:** Google Professional Cloud Architect (2026), Professional Cloud Database Engineer (2024), GCP Associate Cloud Engineer (2023), AWS Certified Solutions Architect – Associate (2018)
- [ ] **Kubernetes & Cloud Native:** CKA, CKAD, CKS, KCNA, KCSA, PCA, ICA, CCA, CAPA, CGOA, CBA, OTCA, KCA, CNPA, and CNPE
- [ ] **Linux & Systems Engineering:** Red Hat Certified Engineer (RHCE), Red Hat Certified System Administrator (RHCSA), Cisco Certified Network Associate (CCNA), VMware Certified Professional, Linux Foundation System Administrator (LFCS)

Other

- [ ] Creator of CertDirectory.io Community Platform & CertDirectory Credentials