

Sean Del Prete

Database and Infrastructure Architect

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SUMMARY

Database and Data Architect with extensive experience in cloud-native database solutions and high availability infrastructure. Proven expertise in migrating both homogeneous and heterogeneous systems, with a strong track record in developing strategic roadmaps and managing complex projects. Adept at collaborating with remote teams and cross-functional stakeholders to deliver innovative solutions and drive product goals. Skilled in translating technical requirements into actionable plans, facilitating effective communication between business and engineering teams, and presenting complex concepts to senior leaders.

SKILLS

Programming Languages: Python, Bash, Perl, C++, Java, PL/SQL

Databases: MySQL, PostgreSQL, MongoDB, Redis, ElasticSearch

DevOps: Terraform, Ansible, Jenkins, CloudFormation

Cloud: AWS, GCP, Azure

EXPERIENCE

EarnIn | Staff Data & Storage Architect

San Francisco / Mountain View, CA (Hybrid)

January 2025 – Present

- Built an ad hoc IAM access automation with a Slack bot so internal teams could request temporary access to operational databases, replacing the licensed enterprise tool with a free solution and reducing access friction.
- Pioneered a data registry program with multi-vendor PoCs; onboarded and deployed a SaaS solution that enabled storage-object de-duplication and removed human latency in object context, yielding millions in annual savings.
- Operationalized replication pipelines so consumer teams could deploy purpose-built ingestion, enabling self-serve access to production data and deprecating enterprise replication tooling for net savings.

Amazon Web Services | Solutions Architect II

Sacramento, CA (Remote)

June 2021 – January 2025

- Collaborated with customers to transition complex heterogeneous workloads from traditional enterprise databases (Oracle, MSSQL, DB2) to open-source managed solutions (Aurora, RDS, DynamoDB, DocumentDB), driving a cumulative ARR of over \$2.25 million.
- Documented and analyzed customer architecture designs, evaluated procedural and application code, and supported code conversion efforts using AWS Schema Conversion Tool (SCT) and custom tooling. Developed migration plans, created custom scripts, and maintained high engagement with customers through regular meetings.
- Delivered over 30 hands-on training sessions and labs on migration and database conversion using AWS DMS and AWS SCT, effectively communicating technical concepts to both customers and internal teams. Developed and presented a series of webinars focused on migration best practices, enhancing customer understanding and adoption of migration strategies.
- Troubleshooted and supported AWS DMS deployment for migration projects and go-live efforts, resolving issues for more than two dozen customers and ensuring successful transitions.
- Designed and maintained internal tooling to support the team, including a script for ingesting server inventories from CSV files, querying AWS APIs, and estimating pricing based on core and RAM specifications. Managed a platform for tracking migration action items, enabling solutions architects to contribute and collaborate on new solutions based on customer engagements.

DB Best Technologies | Senior Solutions Architect**Sacramento, CA (Remote)**

February 2018 – June 2021

- Translated customer requirements into comprehensive architectural designs, ensuring alignment with strategic goals and technical feasibility.
- Collaborated closely with Google, AWS, and Azure on customer migration projects, effectively coordinating with vendors to drive successful outcomes.
- Delivered technical presentations and speaking engagements as a cloud vendor representative, communicating complex concepts to diverse audiences including senior leaders and technical teams.
- Coordinated with remote teams from multiple global organizations to manage and execute successful migrations, addressing customer requirements and constraints effectively.
- Specialized in open-source data technologies, applying expertise to develop and implement solutions tailored to customer requirements.
- Developed comprehensive end-to-end playbooks for MySQL, PostgreSQL, ProxySQL, and Orchestrator deployments, enhancing deployment efficiency and reliability.
- Migrated multiple environments from on-premises or AWS/RDS instances to architected solutions deployed on GCP VMs and microservices, optimizing performance and scalability.

Recurly | Database Solutions Consultant**San Francisco, CA**

March 2019 – January 2021

- Advised on best practices for current and future database deployments.
- Migrated MySQL and MongoDB clusters to GCP and built microservices in Kubernetes with Helm.

MZ (Machine Zone) | Senior Database Engineer, Tech Lead**Palo Alto, CA**

August 2016 – December 2017

- Led team PO responsibilities and administered more than 1500 DB servers.
- Constructed a CDC pipeline for data streaming, built Satori platform, and created infrastructure for Final Fantasy.

Junta Corp | Senior Database Manager**Miami Beach, FL**

March 2013 – August 2016

- Optimized and managed over 100 MySQL and MongoDB instances.
- Led architecture redesign and supported large development teams.

Miniclip.com | MySQL Database Administrator**Fort Lauderdale, FL**

December 2011 – March 2013

- Administered MySQL and MariaDB databases, providing direct support to overseas developers.
- Implemented high-availability solutions and optimized database performance.

EDUCATION**Gettysburg College****Gettysburg, PA**

Bachelor of Science, Computer Science and Business Management — Graduated May 2008