SILVIA BOTROS

+1(917)513-4583   silvia@dbsmasher.com Blog

EXPERIENCE

- Co-author of "High Performance MySQL, 4th edition" Dec 2021
- Experienced software architect for late stage, growth stage and public companies

Senior Software Architect Nov 2022 - May 2023 Rapid API *Remote, CA*

- Work with architect peers to set database design standards
- Work across teams to improve database practices
- Work with security to mitigate gaps in a rapidly growing infra
- Work with senior engineering and product leadership on roadmap planning

Architect Feb 2022 - Sept 2022 Box *Remote, CA*

- Work with the in house data engineering team on planning migration from datacenters to GCP
- Work with senior leadership on major decisions like vendor acquisitions
- Help cloud engineering with incidents and post incident reviews

Senior Principal Engineer Apr 2019 - Present Twilio *Remote, CA*

• Provide SRE like help to various business units with a focus on datastore and incident analysis concerns • Help bridge conversations between engineering and product driving to better defined requirements and more aligned planning

• Work with security to scope any gaps, help turn security requirements into automated implementations • Provide critical feedback on major engineering work being planned both on demand and in design blueprints. • Work with multiple business units helping resolve database architecture issues, guide teams to better reliability practices and mentor engineers through scaling challenges

• Provide mentorship to engineers across the organization

Principal Engineer Jan 2012 - Apr 2019 SendGrid *Remote, CA*

• First full time DBA at the company hired at early series B stage

• Helped define and document SOC2 and Sarabens Oaxley controls

• Automated the provisioning and management of all databases

• Architect for solutions for the expanding engineering organization to make deploying databases self serve • Team lead for the design and implementation of schema changes as a software CI/CD pipeline • Managed the relation with a full team of consultant DBAs on call (Pythian) for 5 years • Built and grew the database engineering team

• Owned the datastore platform strategy and roadmap as database architect

• Guided and defined datastore best practices across an engineering organization of 200+ engineer • Wrote and maintained all the infrastructure code that deployed and managed database configurations using Chef

Software Engineer Jan 2008 - Jan 2012 CDNetworks *New York, NY*

• In charge of schema design, planning, testing and managing deployment for High Availability and backup solutions for the database structures

• Led the effort to move backup and replication setup strategy to using more production friendly tools such as

live snapshots Service Delivery staff on availability solutions and 24/7 support of all Production servers
• Managing monitoring tools, testing/deploying backup and recovery tools for both database structures •
Maintaining a backend python based application that aggregates large numbers of data files for traffic reporting
to customers

• Supporting and managing MySQL databases for the legacy Panther backend (1 source and 3 replicas) • Co
managed installing new database servers and setting them as new replication slaves when needed •
Troubleshooting database performance issues, testing/approving schema changes, troubleshooting replication
issues

EXTRA-CIRRUCULAR ACTIVITIES

- Speaker at LISA 2017, SCaLE 2017 and Velocity London 2018

- Contributing author to SysAdvent, Lead Dev

- Contributing writer for "97 things every engineering manager needs to know"

- Currently lead author for the upcoming "High Performance MySQL, 4th ed"

LEADERSHIP

- Help rewrite the career development framework defining the performance guidelines of the different
  engineering individual contributor levels