



Nathan Rhodes

Application for Cloud Performance Engineer

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Hiring Manager
BlueRidge Data Platforms
Columbus, OH

Dear Hiring Manager:

I am applying for the Cloud Performance Engineer position at BlueRidge Data Platforms. My experience is centered on the work you need: improving PostgreSQL and Azure database performance, turning telemetry into capacity decisions, and helping engineering teams address risks before they become production incidents.

In my current role, I support more than 40 PostgreSQL and Azure database instances serving analytics and transaction-processing workloads. I built reporting models from Azure Monitor, Query Store, and PostgreSQL statistics, using percentile thresholds to separate normal variation from meaningful degradation. Those models support monthly Optimal, Descale, and Upscale recommendations for compute, storage, and connection capacity. I also automate recurring health checks and capacity summaries with PowerShell and SQL, giving engineers a consistent view of trends, exceptions, and forecast risk.

My performance work is practical and evidence-based. I use execution plans, indexing analysis, partition reviews, wait events, and resource metrics to tune SQL without disrupting releases. In a previous role, I coordinated controlled performance tests with developers and release managers, comparing baseline and post-change results before production rollout. I have also led database incident post-mortems, turning timelines and contributing factors into specific remediation items that platform, application, and SRE teams could track to completion.

I would bring the same disciplined approach to BlueRidge: measure the workload, identify the constraint, test the change, and document what the team should do next. I hold a bachelor's degree in Computer Science and am Microsoft Certified: Azure Database Administrator Associate. I would welcome the opportunity to discuss how my PostgreSQL, Azure, capacity-planning, automation, and documentation experience could support your team.

Thank you for your consideration. I look forward to hearing from you.

Sincerely,

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