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Adrian Bishop

Software Engineer, Cloud Interconnect Networking

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Hiring Team
Blue Ridge Cloud Systems
Raleigh, NC

Dear Hiring Team,

I am applying for the Software Engineer, Cloud Interconnect Networking position at Blue Ridge Cloud Systems. I have nine years of experience building and troubleshooting the software behind enterprise cloud connections, including control-plane services, routing policy, configuration workflows, and operational diagnostics. My work has centered on making network changes safer to deploy and easier to understand when something goes wrong.

In my current role, I own Go-based services that provision customer interconnects across 18 regional points of presence. I redesigned gRPC and Protocol Buffers interfaces between orchestration services and device agents so teams could release features without breaking existing clients. I also introduced failure-injection tests for BGP session loss, route withdrawal, stale configuration, and partial regional outages. Those tests gave operations teams repeatable recovery scenarios before changes reached production.

I bring hands-on experience across the networking and software layers this role requires. I have implemented BGP policy checks and TCP/IP reachability diagnostics, investigated packet loss and asymmetric routing with telemetry and packet captures, and diagnosed incidents involving Linux systems, hardware interfaces, and routing protocols. In earlier roles, I built virtual-router integration tests for convergence and failover, added idempotent reconciliation to prevent duplicate changes, and documented runbooks that helped engineers troubleshoot interconnect issues consistently.

The role's combination of distributed systems, customer connectivity, and cross-functional delivery is a strong match for how I work. I have partnered with infrastructure, site reliability, security, customer engineering, product, and technical support teams to turn production findings into release gates, safer rollback behavior, and clearer customer guidance. I would welcome the opportunity to bring that practical, quality-focused approach to the systems that connect customers to Blue Ridge Cloud Systems' infrastructure.

Thank you for your consideration. I would welcome the opportunity to discuss how my experience with cloud networking, resilient services, and interconnect troubleshooting could contribute to your team.

Sincerely,

Adrian Bishop

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