

Bernardo Barzotto Zomer

Observability Engineer

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📍 Porto Alegre, RS, Brasil

Skills

Tools: Grafana, Docker, Terraform, Ansible, Git, GitHub;
Databases: Prometheus, InfluxDB, SQL Server, MySQL, PostgreSQL, MongoDB;
Programming: Python, Rust, Java, C, C++, Shell, SQL;
Languages: Fluent in English (reading, writing, technical conversations), native Portuguese.

Experience

Dell Technologies

Observability Engineer

08/2023 to 02/2025 (*Software Engineer I*), 02/2025 to present (*Software Engineer II*).

Development of dashboards in Grafana to boost SRE team proactivity. Correlation of metrics (Prometheus, InfluxDB) with SQL databases. Creation of synthetic tests and alerts. Collaboration with data engineering teams to expand monitoring coverage. Development of solutions for P1 incidents and evaluation of tools based on past incidents. Automation of F5 infrastructure processes with Python and Flask.

PUCRS/Dell IT Infra Residency

Internship

04/2023 to 08/2023.

IT infrastructure residency through an immersive training program and technical qualification, with an emphasis on studying, planning, and developing automation processes. Developed an Infrastructure as Code (IaC) project by provisioning infrastructure on AWS using Terraform and Ansible, incorporating NoSQL MongoDB databases with redundancy (replication and sharding) and video data streaming. Database monitoring with Grafana and Prometheus.

Parallel Applications Modelling Group (GMAP)

Undergraduate Researcher

10/2022 to 04/2023.

Research experience in the field of parallel and distributed programming, focusing on high-performance computing, algorithm evaluation, solution optimization, and data science. Worked on parallelizing the NAS Parallel Benchmarks (NPB) using OpenMP and OneTBB (C++), converting the NPB EP kernel to Rust, and parallelizing streaming applications.

Certificates

- [AWS Academy Graduate - AWS Academy Introduction to Cloud Semester 1](#)

Education

Bachelor's in **Computer Science** at Pontifical Catholic University of Rio Grande do Sul (**PUCRS**). Started in 2021/1, with expected completion in 2025/1.