Dezly Macauley

Contact Information
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Professional Summary
Passionate software developer specializing in low-level programming with Rust, C++, and C. Experienced in building backend systems, RESTful APIs, and database-driven applications, with strong expertise in Linux and terminal-centric workflows, Docker, and PostgreSQL/SQLite. Committed to performance, type safety, and reproducible development workflows, delivering reliable and maintainable software in modern development environments.

Skills
- Low-Level Programming Languages: Rust, C++, C
- Garbage Collected Languages: Python
- Developer Tools: Linux, Bash, Docker, Git, GitHub, Neovim
- Database Development: PostgreSQL, SQLite
- Technical Writing: English (C2, certified)
- Public Speaking: My YouTube channel (https://www.youtube.com/@dezlymacauley)

Projects
https://github.com/dezlymacauley/rust-rest-api-service
A high-performance Rust REST API service built with Axum, backed by PostgreSQL, and containerized with Docker. Designed for modern, type-safe web development and rapid API prototyping.

https://github.com/dezlymacauley/postgres-dojo
A highly reproducible, PostgreSQL and Python environment built for speedy onboarding and a professional developer experience.

Certification:
Google: Tools of the trade: Linux and SQL
Meta: Version Control
University of Michigan: Exploring C
Duke University: Rust Fundamentals

Work Experience
Research Executive
Kantar – Global Data, Insights, and Consulting Company

- Conducted quantitative and qualitative consumer research analysis
- Managed structured datasets and supported data-driven reporting
- Collaborated with cross-functional teams to deliver actionable insights
- Prepared client-facing reports and presentations

Education
- University of the Witwatersrand: Bachelor of Commerce (BCom) in Marketing
- King Edward VII School