Anthony Wilson III

Junior Software Engineer (ClimateTech)

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SKILLS

Rust • Actix • PostgreSQL • Nix • REST APIs • SQL • Docker • Git • CI/CD • GitHub Actions • Microservices • Time-series data

EXPERIENCE

Junior Backend Engineer — GreenFlow Climate Systems

June 2025 – Present

Built and shipped Rust-based backend services with Actix, delivering a scalable API layer for climate monitoring. Designed PostgreSQL schemas and indexes for high-volume time-series data ingestion, reducing query latency by 32%. Implemented Nix-based development and deployment configurations, cutting environment setup time by 60% and improving reproducibility.

Software Engineer Intern — ClimateNova Labs

January 2025 – June 2025

Implemented Rust microservices and REST endpoints with Actix to prototype climate analytics features. Created PostgreSQL migrations and seed data to support testing and analytics workflows. Wrote CI pipelines (GitHub Actions) to automate build, test, and deployment, reducing cycle time by 40%.

Backend Developer — Polarion Weather & Energy

July 2024 – December 2024

Contributed to a Rust-based data ingestion pipeline for weather data, using PostgreSQL for durable storage. Built Actix-powered APIs for internal dashboards and data access. Collaborated with data science and frontend teams to optimize microservices, achieving 25% higher throughput.

EDUCATION

B.S. Computer Science

University of Zimbabwe

Graduated: 2023