

Ellen Dash

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I'm looking for work, ideally with Rust, C, and/or Python.

Professional Experience

- Rust (4 years)
- Python (10 years)
- C (15 years)
- Ruby (15 years)
- bash & sh (longer than I've known Ruby)

Knowledge/Skills

- Linux
- FreeBSD
- the POSIX standard
- build & release tools (implementation and use)
- automation
- continuous integration/release
- optimization
- refactoring techniques
- understanding complex/confusing codebases quickly

Employment

RubyGems maintainer for Ruby Central (2015-present)

[RubyGems development for 9 years](#), including:

- designing and implementing features, like `gem rebuild` for reproducible builds
- refactoring code, including adding documentation and in many cases investigating the original reasoning for particular behavior
- user support, including turning bug reports into actionable tasks

cargo-dist maintainer for Axo Developer Co (Oct 2024-Feb 2025)

Preparing for the v1.0 release, including:

- integrating third-party tools + coordinating with their developers
- designing and implementing the `dist migrate` command
- implementing a configuration format overhaul
- [sharing arcane knowledge](#)

C consultant for Jepsen (Feb 2025)

Helping finish the `jepsen.nemesis.file` tool for [Jepsen 0.3.8](#).

C & Rust development for pganalyze (Feb 2025-present)

Improving the performance of the API boundary between a C library and Rust library, including:

- using benchmarks to localize performance bottlenecks
- learning how Protobuf (and the `protobuf-c` implementation) works
- implementing a new API to address the performance bottlenecks

Notable Projects

- [chttpd](#) — an HTTP/1.1 server written in C, which can manage over 55,000 requests per second on mid-range hardware.
- [Bork](#) — a Python build and release system.
- [Boreutils](#) — a subset of the standard POSIX-compliant utilities, in C.