Ethan Budd

Professional developer looking for engaging backend Rust position.

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EXPERIENCE

IBM, Rochester MN — *Backend Developer*

MAY 2022 - PRESENT

Develop and integrate TOTP based two factor authentication into IBM i OS's proprietary Kernel equivalent.

Create updated tooling and scripts using Rust and Python to assist developers in migrating primary development to Linux and Git.

Author and maintainer of a Rust implementation of an internal debug and development protocol for the IBM i Kernel.

Collaborate with IBM i enterprise support to fix and maintain the IBM i system ensuring customer uptime.

IBM, Rochester MN — *Backend Developer Intern*

MAY 2021 - MAY 2022

Engage with teams across the organization to integrate their development to a centralized testing infrastructure.

Development of C++ support macros to enable the IBM i service support team to be more responsive in resolving customer issues.

Create Python Ansible modules that can be used in playbooks to automate development, debugging, and testing.

UW Madison, Madison WI — *Sys Admin*

SEPTEMBER 2019 - MAY 2021

Develop applications to support the CSL using Python, JS, and integrating internal API's and databases.

Support and maintain systems including research servers and departmental services.

Develop internal tools that interact with SQL databases using Python with Django.

EDUCATION

University of Wisconsin - Madison, — *BS Computer Science*

SEPTEMBER 2018 - MAY 2022

Graduated with a Certificate in Leadership.

Undergrad Research assistant to Prof. Remzi Arpaci-Dusseau working on "Reed-Solomon error correction" in Rust.

PROJECTS

Switcheroo

A cross platform, Rust implementation for the Tegra X1 bootROM exploit for the Nintendo Switch consisting of both a GUI and CLI.

SKILLS

Contribute and maintain various open-source projects.

Participate in Google Code Jam and Advent of Code.

AWARDS

Kyle Satrom Curling Sportsmanship Award

LANGUAGES

Rust, C++, C, Python, Java