Jerson Cortes Palomino

https://jersoncortes.github.io/

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PROFILE

Passionate about the intricate world of low-level programming and fueled by a deep-seated love for the Linux ecosystem, I am currently seeking new opportunities realted to linux drivers and new technologies.

EXPERIENCE

- **Software One** — Zapopan, Jal (remote)
  Technical Data Analyst — *2023 – 2024 June*
    - **Environment**: Pionered as a member of the inaugural team in the country, reporting directly to teams in Europe as well as collaborating on multiple projects in America, India and Asia.
    - **Data Analysis Engine**: Managed a data analysis system written in Python by keeping it up-to-date, enhancing reliability and improving performance.
    - **Data Analysis**: Communicated with lead consultants around the world about the expected deliverable, dates and problems with the analysis as well as resolving questions regarding the final deliverable.
    - **Performance**: Analyzed and delivered more than 40+ projects at the company with contract values exceeding $10,000+ each.

PROJECTS

- **GTK application**: Developed a simple and minimalistic application for language learning (currently Japanese alphabets) in GTK with C that lets you choose from multiple algorithms for spaced repetition as well as see your statistics on progress. Looking to add a ML algorithm option that tailors to the user's way of learning.
- **Qt application**: Developed a minimalistic E-book library in C++ to organize and display a virtual library of books in visually pleasing, easily accessible way for Linux.
- **Linux Kernel Patching**: Developing my first Linux Kernel Patch focused on the Risc-V architecture, particularly the Risc-V VisionFive2 single-board computer.
- **Linux Risc-V Home Server**: Managing and improving my Ubuntu "DevOps" Server.
- **Other projects**: Developing a plugin for NeoVim in LUA to integrate my DevContainer workspace; learning about the Vulkan API (c++);
  For more projects and more information, visit my website: https://jersoncortes.github.io/

SKILLS

CODING

- C
- C++
- Python
- Rust

TOOLS

- Git
- Github
- Jira and Confluence
- Slack

FRAMEWORKS

- GTK
- Qt
- Yew

EDUCATION

- **Centro de Enseñanza Tecnica Industrial (CETI)** — Guadalajara, Jal
  Associates Degree in Software Development — *Aug. 2018 – Dec. 2022*

LANGUAGES

- **English**: Cambridge ESOL first certification, B2+
- **Spanish**: Native