Arjun Ramachandrula

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Open Source Projects

- **LXC**   https://linuxcontainers.org/lxc/
  Software Developer & Contributing Community Member   *July 2020 – Present*

  LXC is a userspace interface for the Linux kernel containment features that lets Linux users easily create and manage system or application containers.

  - Updated documentation to reflect the incompatibility of LXC with pure unfiltered systems like cfgroupsv2.

- **Kubernetes**   https://kubernetes.io/
  Software Developer & Contributing Community Member   *July 2020 - Present*

  Kubernetes is an open-source system for automating deployment, scaling, and management of containerized applications.

  - Updated documentation to remove a broken link to an analytics page.
  - Part of the Storage Special Interest Group.

- **The Servo Project**   https://servo.org/
  Software Developer & Contributing Community Member   *June 2020 - Present*

  Servo is a browser engine built in the Rust Programming Language aiming for better parallelism, security, and modularity.

  - Optimized the Servo Browser Engine's HTML parser to get an element's target and noopener in accordance to the specification.
  - Updated a dependency to the latest crate of euclid in several different codebases, including lyon, surfman, surfman_api, servo, canvas, canvas_traits, and compositing.
  - Added and updated unit tests to work with the CI build.

Personal Projects

- **Java Pass System**   **Link to Repository**
  - Implemented a Java Pass System to replace paper passes in schools.
  - Used the Object-Oriented model, a centralized main computer, and auxiliary barcode scanners.

- **Robotics Programming**   **Link to Repository**
  - Used C, C++ and VEX Robotics libraries to compete in several regional competitions.
  - Implemented Proportion, Integral, and Derivative controllers, as well as feed-forward loops and motion profiling.

Education

- **Northeastern University**   **Boston, MA**
  Khoury College of Computer Sciences, B.S. Computer Science and Business Administration   *2020 – 2024*
  - Relevant Classes: Discrete Structures, Fundamentals of Computer Science, Algorithms, AP Calculus BC

Core Technical Skills

Languages: Java, C++, Rust, C, Unix Shell Scripting, Python
Technologies: Git, Github, Docker, Kubernetes, VSCode, VMWare Fusion, Vim