Repeatable Reproducible Accessible ROS Development via Dev Containers

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Motivation
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Challenges
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Related Work
Web Stack
Dev Containers

- An open specification for enriching containers with development specific content and settings
  - Containers.dev

- Similar Precursors:
  - rocker by Open Robotics
    - A tool to run docker containers with overlays and convenient options for things like GUIs etc.
  - ADE Development Environment by Apex.AI
    - A modular Docker-based tool to ensure developers have a common, consistent development environment
Implementation
Future work
Shoutout
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Questions?
• Codify the entire development environment, build and runtime, thus reusable by other tools or IDEs

• example devcontainer.json