# GNU/Linux on Raspberry Pi and ARM Clusters

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- **Raspberry Pi Streams Music Using Only the Default Linux Tools [3]**

  Getting a home music streaming system off the ground is typically a straightforward task. Using Apple devices with Airplay makes this task trivial, but if you?re a computing purist like [Connor] who runs a Linux machine and wants to keep it light on extra packages, the task gets complicated quickly. His goal is to bring audio streaming to all Linux platforms without the need to install a lot of extra software. This approach is friendly to light-footprint devices like the Raspberry Pi that he used in his proof of concept.

  [Connor] created a set of scripts which allow streaming from any UNIX (or UNIX-like) machines, using only dependencies that a typical OS install would already have. His Raspberry Pi is the base station and streams to his laptop, but he notes that this will work between virtually any UNIX or Linux machine. The only limitation is what FFmpeg can or can?t play.

- **Meet the full stack Ruby dev who's running for Federal Parliament [4]**

  Against the odds, Ruby developer and start-up founder, Jake Schoermer, keeps his federal election campaign hopes on the rails.
  Jake Schoermer scythes through the electoral material swamping his desk that is dominated by a three-screen array filled with code, pulsing Cooler Master gamer?s keyboard and trackball.

  Hanging above the coder?s den is a huge map of the sprawling 370 sq km Federal House of

Representatives electorate of Ryan in Brisbane?s west he?s contesting for the first time, reminding him of the impossibility of door-knocking every constituent in the affluent seat.

[...]

In a corner, near a trio of resurrected Dell Ubuntu Linux laptops, lies Schoermer?s current gadget project ? a Raspberry Pi awaiting a case he?s 3D printing for it.

- **ARM Clusters + Selfhosting: A Perfect Match [5]**

  With a modular ARM cluster (like what we'll be building in this article), you would have a zero to low-noise, low energy consumption, low power, fully modular cluster that is up to most tasks that the x64 server could do. If I need more computing power or storage space, I can just plug in more hardware and everything will be automatically rebalanced as necessary.

  For me, the benefits for ARM outweigh both the benefits of x64 and the cons of ARM, making it the obvious choice. Here are a few things you may want to consider when choosing one...

Development Hardware

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[4] https://www.itnews.com.au/news/meet-the-full-stack-ruby-dev-whos-running-for-federal-parliament-524585
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