



Cody Garver

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Professional Experience

elementary, LLC. (2014-Present)

Systems Architect, Core Team Member

Led core systems & infrastructure devops for major open-source desktop operating system, elementary OS. 7,000,000 downloads, available in 50 languages.

Ubuntu Snap Format Oversight Board (2016-2017)

Member, Technical Advisor

Invited by Canonical to provide feedback and guidance as Snappy transitioned to desktop Linux use cases. Attended many development sprints across Europe and USA.

Fitness Plex (2009-2013)

Network & System Administrator

Kept ancient FoxPro club membership software running in modern environment. Responsible for network, hardware, backups and general software troubleshooting.

Tolar Solutions, Inc. (2008-2009)

Associate IT Consultant, Web Developer

Various office and residential hardware upgrades and software transitions like Exchange and Outlook.

Freelance Web Developer (2007-2010)

Developed and maintained websites for various local businesses ranging from real estate agencies to wedding planners to local bands. Sometimes involving managing and customizing Content Management Systems.

Skills

Linux

Scripting

Cloud Computing Platforms

Continuous Integration

Containers

Infrastructure as Code

Build Systems & Packaging

Teamwork

Specifics

BASH • Git • Ansible • AWS •

systemd • Docker • Travis CI

• GitLab CI • nginx • Debian

& RPM packaging • CMake •

Meson • DigitalOcean •

VMware Workstation •

GitHub • GitLab • HTML •

CSS

Education

Hinds Community College

AAS Computer Networking

Personal Projects

Geolocation-aware cloud content delivery network

Leveraging technologies including Amazon AWS Route 53, Ansible automation and Linux cloud servers in multiple international data centers to serve downloads to users based on their location in the world. Resulting in fast, secure downloads while optimizing for cost. Other technologies such as nginx web servers and SSL encryption feature prominently.

Cryptocurrency mining farm

Multiple machines running grouped overclocked Nvidia 1080 Ti graphics cards orchestrated using Ansible and custom systemd services, partially constructed from recycled PC hardware.

Fedora & Red Hat based Linux distribution

Using more modern and resilient technologies like Anaconda Kickstarts and COPR repositories for distributing elementary OS software, attempting to address shortcomings of Ubuntu & Debian based approaches.

ABI and API compatibility tools

Scripts that look for breaks in Application Binary Interfaces and Application Programming Interfaces to avoid crashes and missing features between software releases.

Unofficial Pokemon Linux

PlayOnLinux wrapper for installing and managing mods for Pokemon fan games made for Windows on Linux.

Unofficial Minecraft Linux

Package and repository that automatically installed Minecraft and included conveniences for Linux long before official support was available from Mojang.