

# Anne Macedo

Pronouns she/her

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## whoami

I'm an infrastructure and software engineer who's very interested in Infrastructure as Code, Test Automation, low level Hacking and Kernel Development.

I'm currently learning about Kernel Development and Embedded Linux development.

## experience

### Lead Infrastructure Consultant @ Thoughtworks

April 2023 - present

Supported the infrastructure and the CI/CD pipelines of a north American fitness company.

Stack: Terraform, AWS, Hashicorp Vault, Terratest

### Support Engineer - Azure Kubernetes Service @ Microsoft

July 2022 - April 2023

Worked on the SEV B and C support for Azure Kubernetes Service at Microsoft.

Stack: Kubernetes, Terraform, Istio, NGINX-Ingress, Azure

### Senior Infrastructure Consultant @ Thoughtworks

Sept 2020 - July 2022

Worked for a north American fashion retailer and supported their platform and iOS build infrastructure.

Stack: PCF, Jenkins, macOS, Typescript, Groovy

### Infrastructure Analyst @ Luizalabs

Oct 2018 - Sept 2020

Supported Magalu's infrastructure, focused mostly on Kubernetes. Also contributed to Magalu's open source PaaS, Teresa, written in

Go. During that time I've submitted patches to Kubernetes' test\_e2e framework and to Google's GLBC Ingress Controller.

Stack: GCP, AWS, Redis, Terraform, Kubernetes, Golang

### Information Security Analyst @ Luizalabs

Oct 2017 - Sept 2018

Helped improve application security by adding SAST tests to Magalu's CI/CD pipelines, worked on security response for Magalu.

Stack: OWASP Top 10, Sonar, Nessus

### Python Developer @ Luizalabs

Aug 2016 - Jun 2017

Created scripts that supported Magalu's marketplace.

Stack: Python, Django

## education

### Fatec Da Zona Leste

Systems Analysis and Development

August 2016 - July 2020

## certifications

### Certified Kubernetes Administrator

Linux Foundation, 2021

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## skills

- Aspiring kernel developer, currently working on xhci and embedded Linux
- Yocto and tbot testing on the u-boot layer
- Programming languages such as C, Go, Python and Java. Want to learn Rust and Elixir.
- Experienced Kubernetes administrator
- Linux kernel debugging
- Linux administration using Ansible and TestInfra
- Infrastructure as Code, in general, and infrastructure testing
- Cloud providers such as GCP, AWS, Azure
- Orchestration tools such as Kubernetes

## merged open source contributions

- [pypa/pip Fix is\\_url from splitting the scheme incorrectly when using PEP 440's direct references #6203](#)
- [kubernetes/ingress-gce Added NoSchedule effect to GetNodeConditionPredicate #792](#)
- [kubernetes/kubernetes Moving e2e boilerplate to separate functions #79909](#)
- [ansible-community/molecule Adds vpc\\_id to ec2\\_group, from subnet facts, and allows to specify SG ip cidr #2405](#)
- [ansible-community/molecule Added instance\\_profile\\_name to ec2 driver #2370](#)
- [linux-sunxi/meta-sunxi add u-boot ethernet support to orange pi one plus \(h6\) #389](#)

## WIP and rejected open source contributions

- [flashrom wip flashchips: Add support for PUYA P25Q40H](#)
- [u-boot wip \[PATCH\] sunxi: H6: Enable Ethernet on Orange Pi One Plus](#)
- [linux kernel rejected \[PATCH\] libbpf: add validation to BTF's variable type ID](#)
- [linux kernel rejected \[PATCH\] usb: host: xhci: parameterize Renesas delay/retry](#)
- [linux kernel rejected \[PATCH\] usb: host: xhci: remove renesas rom wiping](#)

## other interesting stuff

- My awesome-kerneldev repo: <https://github.com/retpolanne/awesome-kerneldev>
- Blogpost about fixing a driver for a card with a very exotic ROM chip (work in progress): <https://blog.retpolanne.com/kernel-dev/renesas/2023/06/20/renesas.html>
- Repo for the Bootlin Embedded Linux training: <https://github.com/retpolanne/embedded-linux-training>
- I love test automation and there's a blogpost about testing u-boot here: <https://blog.retpolanne.com/hardware/embedded/test-automation/2023/07/09/uboot-automation.html>
- Had a talk at Google São Paulo about Terraform and Terratest: <https://www.youtube.com/watch?v=iOinLGCKLrc>