

CURRICULUM VITAE

**TITLE**

senior software engineer

LEGAL NAME

carlos killpack

REAL NAME

romina killpack

PRONOUNS

she / her

i enjoy collaborating with peers and organizations to solve new and interesting challenges. i am always looking for opportunities to continue to hone my craft and ship valuable software products to users.

i believe that peer-to-peer collaboration and natural human ingenuity are at the heart of every innovative organization. i believe that cooperatives are the future of innovative organization, but these ideas can be applied successfully at any type of business or non-profit organization.

EXPERIENCE

COMMUNITY SOFTWARE PROJECTS

admin at sunshine gardens clubhouse: operating community infrastructure including mail-in-a-box (email, dns), ejabberd (xmpp/chat), pleroma (activitypub/social networking), cgit, searx, and others. the system is deployed and managed using experimental mesh networking technology developed at the clubhouse and elsewhere.

contributor to walkaway handbook: an experimental distributed wiki engine designed for off-grid collaboration and information sharing. related experiments include sora and tracker.

contributor to tomo a security focused and lightweight meta distro based on alpine linux with ambitions to become an embedded lisp machine operating system for IoT, off-grid, and other meshnet-related applications.

other occasional contributions to projects such as:

- pleroma
- pleroma-fe
- various projects on github
- and other side projects

WORK HISTORY SUMMARY

CITYGRO

ROLE

senior software engineer

LOCATION

Salt Lake City, UT

WEBSITE

<https://citygro.com/>

DURATION

Oct 2016 — present

i develop and maintain a large Vue application, cross-platform support libraries, and a build toolchain that targets web and Electron. notable support libraires include internal improvements upon vdata: a soft real-time client database with many graphql-like features using CityGro's public REST apis. additionally, this module is able to create deterministic, but user-friendly, solutions to update and merge conflicts on REST resources.

SUNSHINE GARDENS (FORMERLY HEROPUNCH, LLC)**ROLE**

co-founder

LOCATION

Provo, UT

WEBSITE<https://sunshinegardens.org/about/>**DURATION**

Sep 2015 — present

a libre tech and cooperative business project created to gain first-hand experience of the challenges faced by new businesses and worker-cooperatives (member-owned and managed businesses) in general. As a software consultancy we created software solutions for a small number of clients and experimented with various collaboration tools, workplace democracy, and mentoring programs.

heropunch continues to operate as a loose association of engineers exploring decentralized manufacturing and peer to peer technology under the name sunshine gardens. we are researching and developing a next generation hardware and software platform, which we hope to eventually do full time.

JOURNEYFRONT**ROLE**

contracted software engineer

LOCATION

Provo, UT

WEBSITE<https://www.journeyfront.com/>**DURATION**

Jun 2016 — Jul 2016

collaborated with the founder team to build a proof of concept universal web application using Angular 2, TypeScript, and MongoDB.

ZULU MARKETING

ROLE

CTO

LOCATION

Provo, UT

WEBSITE

<https://zulumarketing.com/>

DURATION

Apr 2014 — Aug 2015

managed a docker-based cloud deployment and developed a number of custom web applications. the cloud deployment runs a diverse set of services, including: Redis, RabbitMQ, PostgreSQL, MySQL, Cassandra, and others. the custom applications include an eCommerce platform with a variety of real-time integrations into external systems, and a custom inventory management system with its own external integrations. in addition to these custom applications, i managed deployments of a number of preexisting applications, such as: Wordpress, WPMS, Kayako Fusion, and a number of legacy PHP applications.

EDUCATION

SELF STUDY

TOPIC

computer science

DURATION

2006 — 2014

VOLUNTEER EXPERIENCE

- christian missionary (Dec 2010 — Dec 2012)
- encircle events (ongoing)

REFERENCES

additional references are available upon request

ADMIRAL POTATO

a brilliant design scientist and software developer that i worked closely with at citygro.