

Pariyatti.app

Projects, Tools, Process

Pariyatti 2023

Table of Contents

1. Intros
2. 30-Second History
3. Pariyatti.app Projects
4. Toolchain
5. Volunteer Onboarding
6. DevOps (Mobile App)
7. Project Management

1. Intros

- Brihas Sarathy - guidance, project oversight, proxy customer
- Tanmay Balwa - SRE, DevOps, infra shown on slides
- Steven Deobald - dev, PM
- dhamma.org folks?

2. A 30-Second History (+ Future)

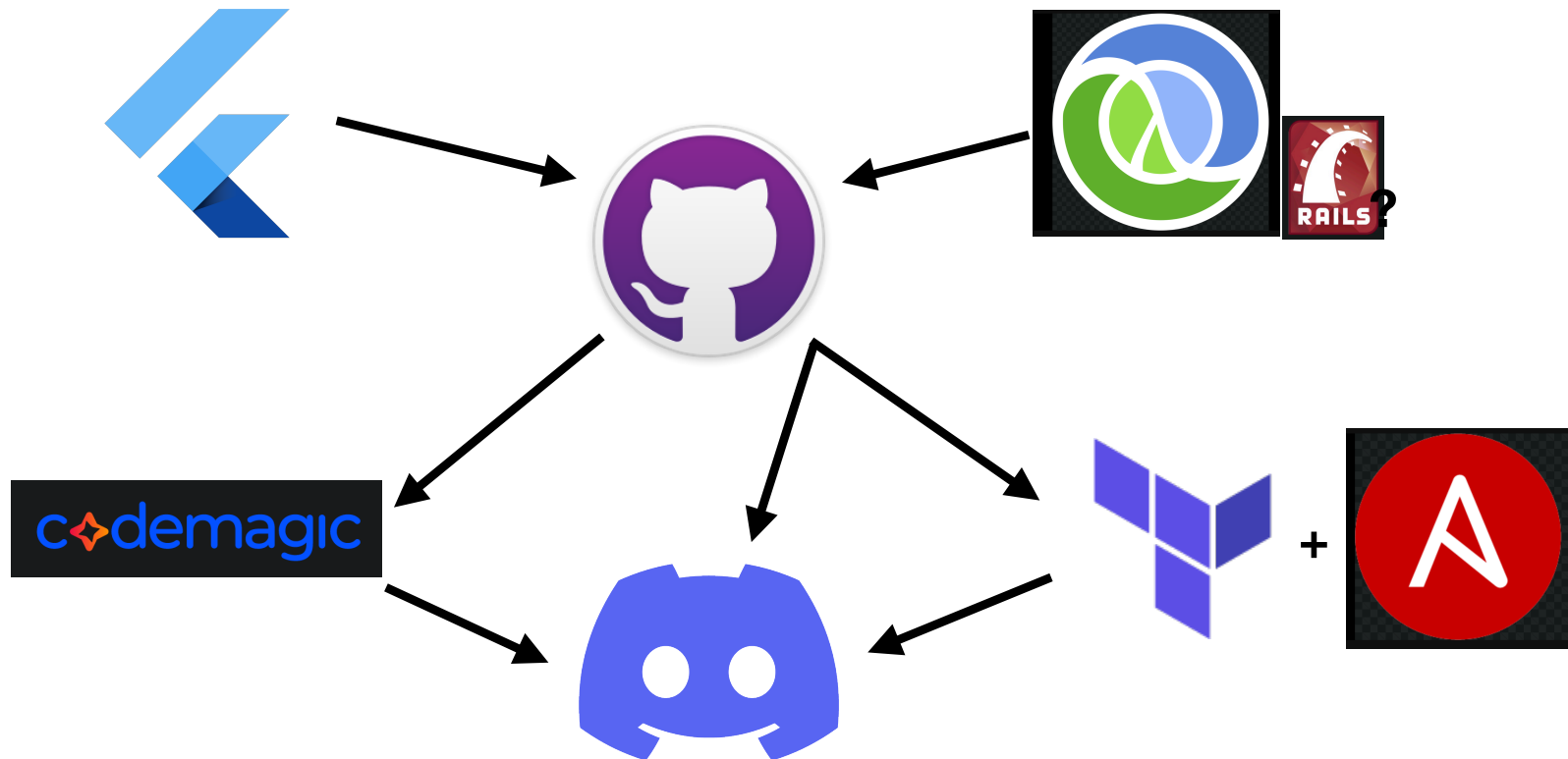
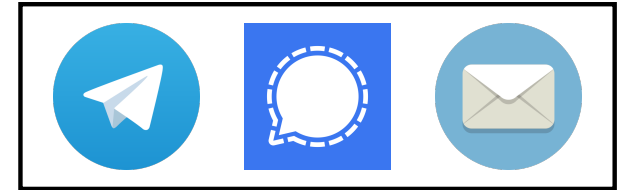
- Legacy mobile: "Daily Words of Buddha"
 - consumes RSS - no API
 - native code
 - translations for entries (asymmetrical, no i18n)
- Legacy servers:
 - RSS ~feeds (one entry) = cron + Perl scripts + text files
 - DotNetNuke (pariyatti.org)
 - 3Dcart (store.pariyatti.org)
- <https://pariyatti.app>
 - Current: looping daily words, dark mode, feed configuration, language fallback, app-global i18n ... a lot of infra
 - Future: Announcements? Rails? Library? Bookstore? Pali?



3. Pariyatti.app Projects

- Docs = <https://github.com/pariyatti/agga>
- App = <https://github.com/pariyatti/mobile-app>
- Server = <https://github.com/pariyatti/kosa>
 - AWS Lightsail (\$1000/yr credit)
 - sandbox + prod = \$46/mo
 - Terraform + Ansible

4. Toolchain



5. Volunteer Onboarding

- Old Students?
 - historically, "take who we can get" = many non-meditators
 - grateful, but non-meditators tend not to stick around long-term
 - only old students now
 - 3-hour chat w Steven => sign PCA (next slide) => read docs => setup dev env
- Environments
 - mobile app devs can use sandbox
 - kosa devs use local Flutter build
 - Tanmay is working on Docker for dev



5. Volunteer Onboarding

Copyright, Licensing

- Perl script story — copyright in limbo
- Pariyatti Contributor Agreement (PCA)
 - <https://github.com/pariyatti/agga/blob/master/CONTRIBUTING.md>
- Licenses:
 - MIT, Apache (permissive - libraries)
 - AGPL-3.0 (restrictive - apps)
 - In the future, who knows?
- LLMs: avoiding (for code) for now since copyright implications are unknown — Copilot and ChatGPT are both known to violate copyright

6. DevOps - Mobile App



- Free to Pariyatti:

- Non-profit
- Educational
- Open Source

Both available
to Dhamma.org

Start a Demo (commit)

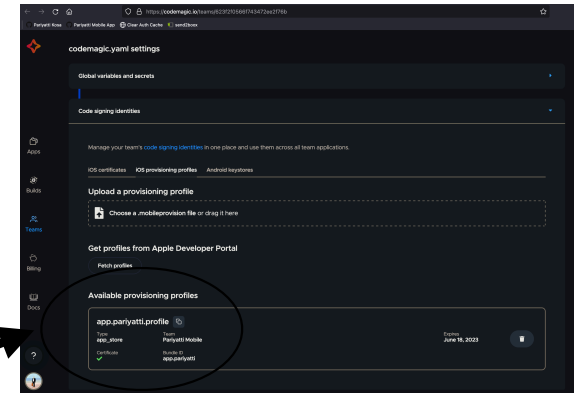


<https://github.com/pariyatti/mobile-app>

<https://codemagic.io/builds>

6. DevOps - Mobile App Config

- One-Time Setup: Code Signing Identities
- <https://github.com/pariyatti/mobile-app/blob/master/codemagic.yaml>
- <https://github.com/pariyatti/mobile-app/settings/hooks>



6. DevOps - Mobile App Release

- webhook fires on every commit to `master`
- creates symmetrical versions off `master` (iOS and Android)
 - 1.0.74 everywhere, for example
- builds iOS and Android artifacts
- uploads build artifacts
- creates draft releases: App Store Connect, Play Store Console
- releases to iOS TestFlight (but requires assigning Tester Group)
- releases to Android Internal Testing (fully automated)

6. DevOps - Mobile App

Production

- Check on demo?
- <https://github.com/pariyatti/mobile-app/blob/master/doc/RELEASING.md>

6. DevOps - Kosa

Build

- <https://github.com/pariyatti/kosa>
 - Tests run from GitHub Actions
 - Test results pushed to Discord

7. Project Management

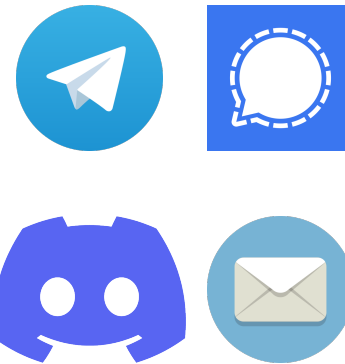
GitHub

- Issues, Projects, branches, PRs, Webhooks, Actions
 - <https://github.com/orgs/pariyatti/projects/3/views/1>
 - <https://github.com/orgs/pariyatti/projects/2/views/4>
 - Discussions = no
 - PRs: "Automatically delete head branches = yes"

7. Project Management

Communication Tools

- Email - Official / Pariyatti staff
- Telegram - Status Updates
- Signal - 1-on-1
- Discord Pariyatti Server
 - Free, easy, common, low-bandwidth-friendly, mod tools
 - Detailed technical discussion
 - Video calls + screen share
 - Bots - auto statuses (GitHub events, backups, deployments)



Questions?

