

# Pariyatti.app

Projects, Tools, Process



Source and Slides: <https://github.com/pariyatti/agga/tree/master/docs/2023-05-06-demo>

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# 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)

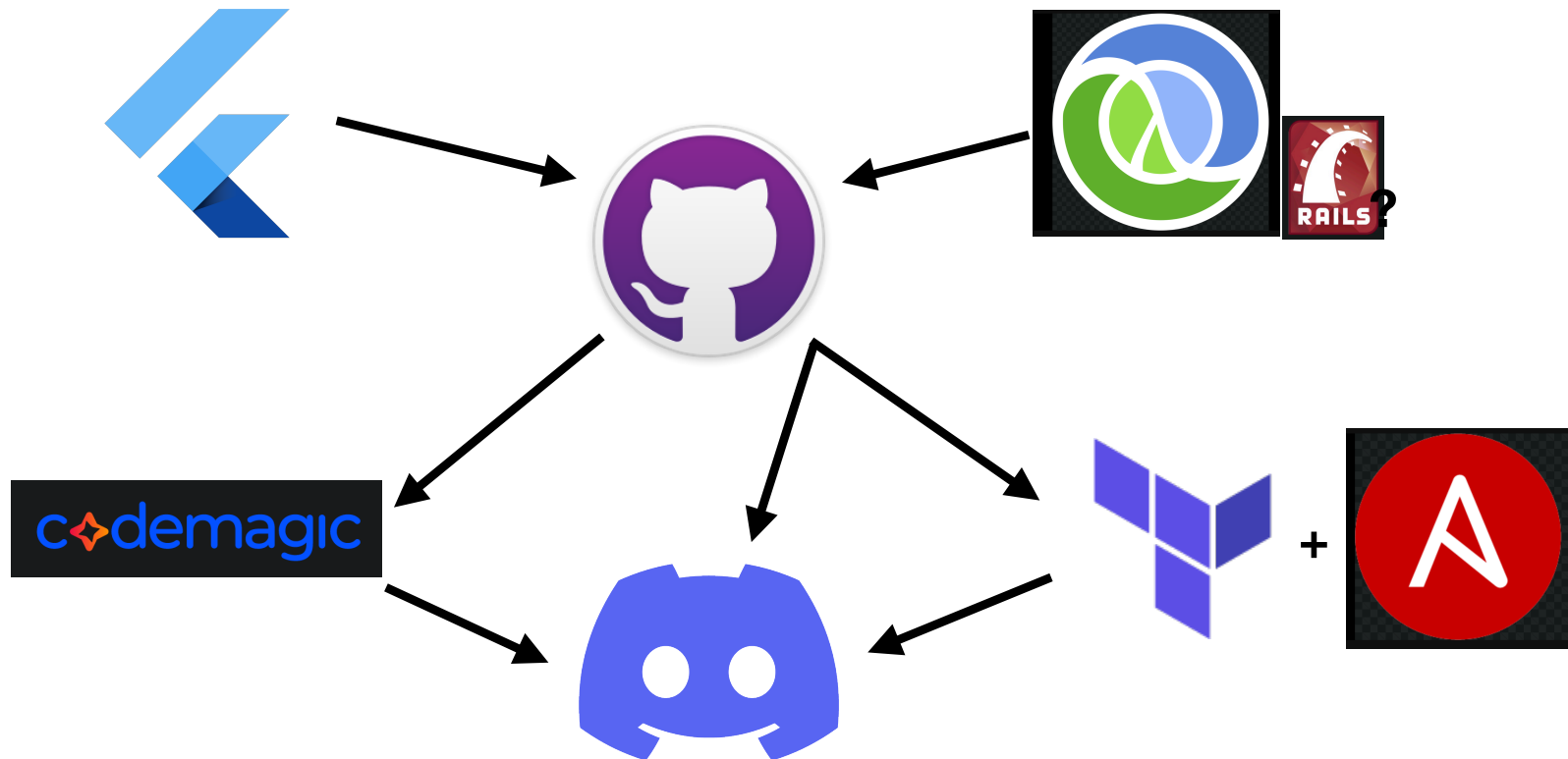
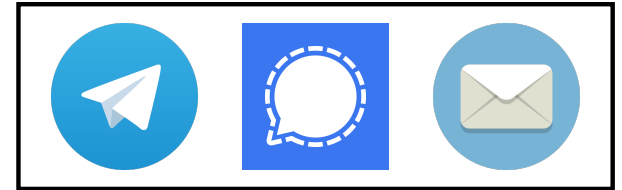
- Legacy mobile: "Daily Words of Buddha"
  - consumes RSS - no API
  - native code
  - translations for entries (asymmetrical, no i18n)
- Legacy servers:
  - RSS ~feeds (one entry) = cron + Perl scripts + text files
  - DotNetNuke (pariyatti.org)
  - 3Dcart (store.pariyatti.org)
- <https://pariyatti.app>
  - 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, but even LLMs which insist they do not violate copyright have no case law to support their safe use.
  - Recommended Reading: <https://www.openml.fyi/>



## 6. DevOps - Mobile App



- Free to Pariyatti:

- Non-profit
- Educational
- Open Source

Both available  
to Dhamma.org

Start a Demo (commit)

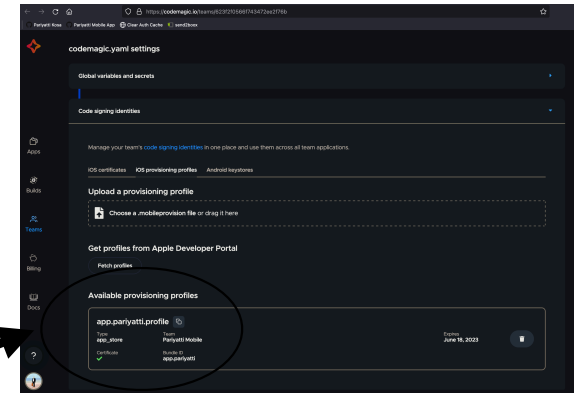


<https://github.com/pariyatti/mobile-app>

<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

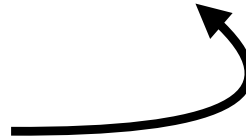
- Check on demo?
- <https://github.com/pariyatti/mobile-app/blob/master/doc/RELEASING.md>

## 6. DevOps - Kosa

### Build & Deploy

- <https://github.com/pariyatti/kosa>
  - Tests run from GitHub Actions
  - Test results pushed to Discord
  - Provisioning and Orchestration = Terraform
  - Deployment and Config Management = Ansible
  - (no demo, since fully-automated provisioning and one-click deployments are common in backend teams)

(This was new for me, and a welcome improvement over provisioning AWS boxes manually.)



# 7. Project Management

## GitHub

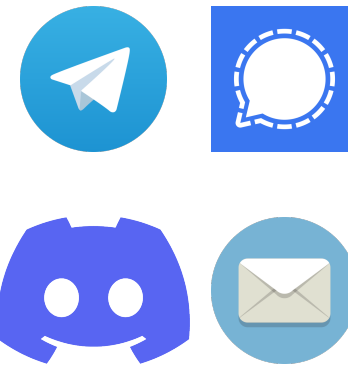
- Issues, Projects, branches, PRs, Webhooks, Actions
  - <https://github.com/orgs/pariyatti/projects/3/views/1>
  - <https://github.com/orgs/pariyatti/projects/2/views/4>
  - Discussions = no
  - PRs: "Automatically delete head branches = yes"

# 7. Project Management

## Communication Tools

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

Highly ephemeral, so more than one.



# Questions?

