

John Flynn Matthew

AGENDA

Introduction

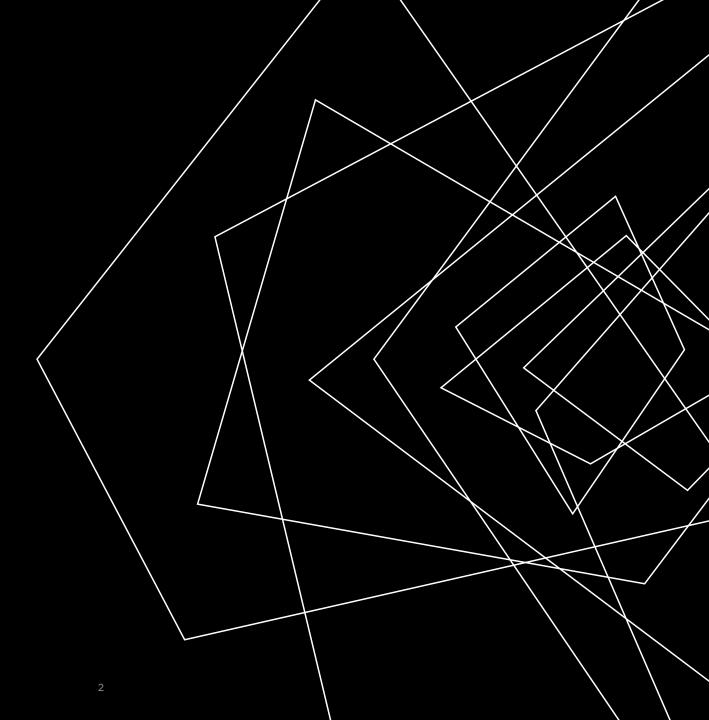
What / Why a Platform-as-a-Service

Why PIKU?

Features of PIKU

Architecture

Hands on



INTRODUCTION

Hello, my name is John Matthew.

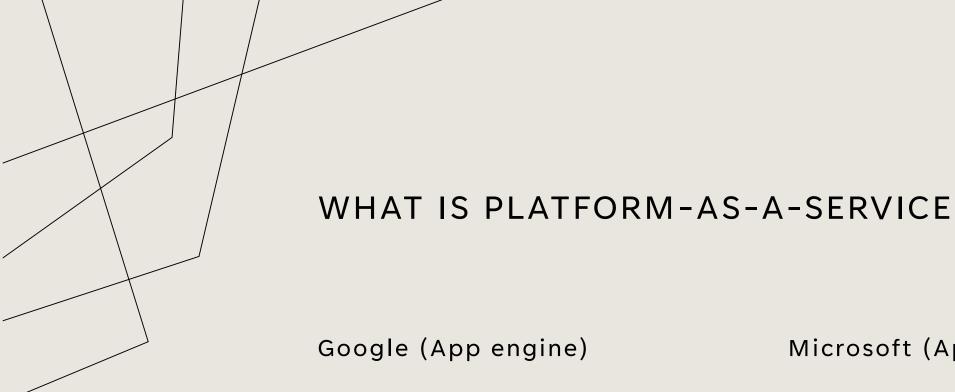
Been in the IT industry for 44 yrs. (yikes). I love programming.

Started with dBase, FoxPro, Delphi. Now I spend my spare time in Python and Django.

Currently work at a VAR promoting cloud service, DevOps and Automation for customers

I discovered PIKU and want to share my experience and excitement for it





"Platform as a Service, also known as PaaS, is an environment that offers a flexible, scalable cloud platform to develop, deploy, run, and manage apps.

PaaS provides everything developers need for application development without the headaches of updating the operating system and development tools or maintaining hardware."

Microsoft (App Service)

"Platform as a service (PaaS) is a complete development and deployment environment in the cloud, with resources that enable you to deliver everything from simple cloud-based apps to sophisticated, cloud-enabled enterprise applications."

John

\$>git push

Deploy Fast \$>git push piku is all you need to get new code to your server and deployed Inexpensive PIKU runs on a simple \$5 DO droplet for as many apps as you like Simple For simple to moderate projects, I don't need containers, Kubernetes, Lamba, etc. I just want a simple NGINX + WSGI + Python app environment Scalable I can scale my app with one command

WHY PIKU?

PIKU'S CORE VALUES

Must run on low end devices

Accessible to hobbyists and K-12 schools

~1500 lines readable code

Few (single?) dependencies

Simplify user experience.

Cover 80% of common use cases

Leverage standard tooling (git, ssh, uwsgi, nginx).

Sensible defaults for all features

Simple install ————

Install takes <2 min and you're up and running

Automatic SSL ———

Let's Encrypt integration provides SSL certs when you push code, and it generates self-signed ones just in case

Procfile —

Procfile functionality from Heroku is utilized in PIKU.

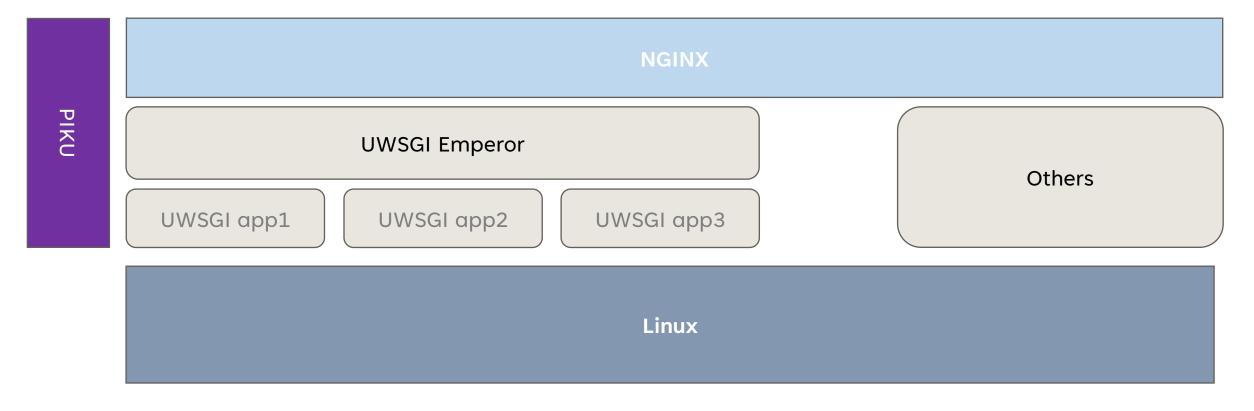
Simple CLI

Uses SSH for pushing code and deployment

Provides a piku command line interface for managing your application: Logs, Scale, Restarts, environment

PIKU FEATURES

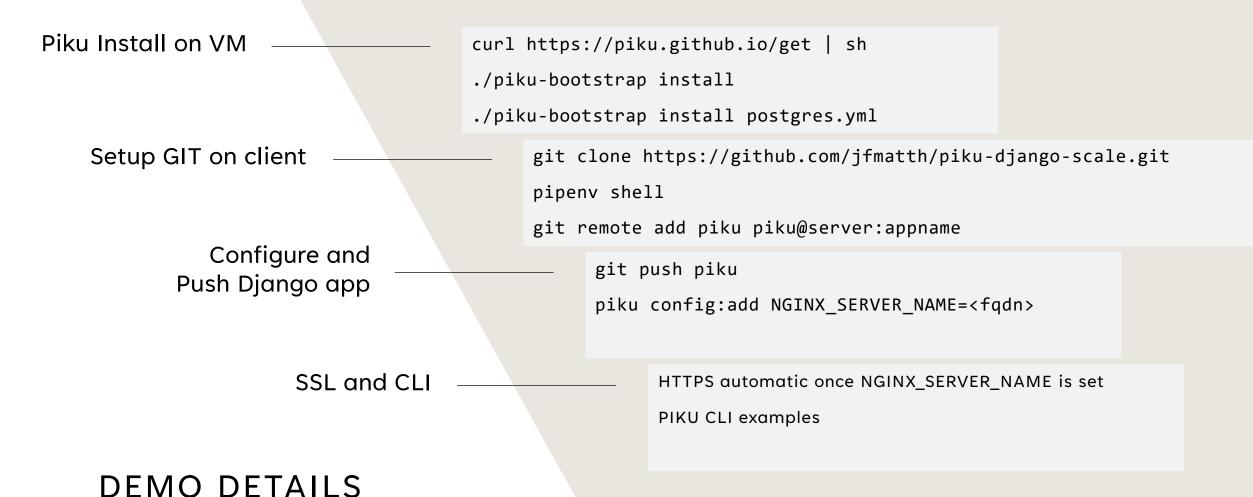
PIKU ARCHITECTURE

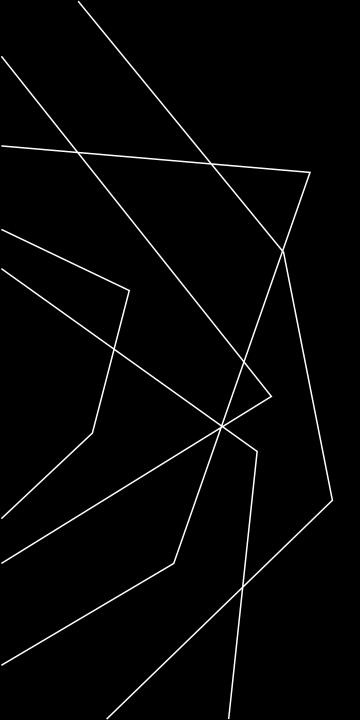


DEMO TIME

- 1. Install (<5m)
- 2. Setup GIT
- 3. Push Django app
- 4. SSL test
- 5. PIKU cli

Questions during are welcome





THANK YOU

John Matthew

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