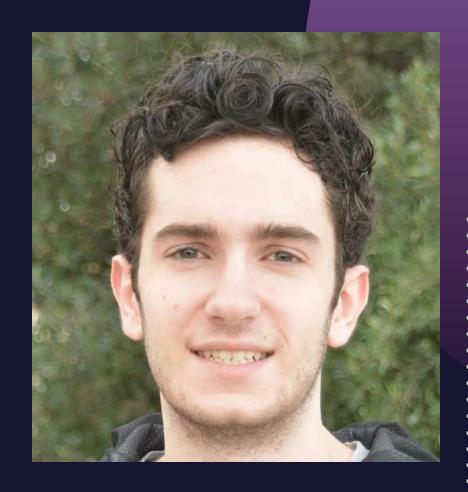
# El poder oculto de las CLIs

Catedra UV x Capgemini | Pepe Fabra Valverde | 2024

VNIVERSITAT \* Capgemini

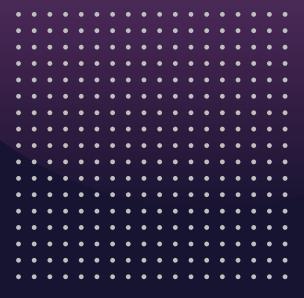
### Pepe Fabra Valverde

**Software Solutions Architect** 



# Disclaimer

- Compartiré las slides al final de la sesión
- Son conceptos nuevos



### Agenda

- o Charla
  - o CLIs, automatización y más

### Agenda

- o Charla
  - o CLIs, automatización y más
- Taller práctico
  - Crea tu propia CLI

# Experiencia con comandos

Qué son, uso... y creación

# Todo el mundo odia los comandos

# ...o les tiene miedo

Las CLIs son APIs, Application Programming Interface



La evolución natural es odiarlas, o que te abrumen,

Pero...



Crear CLIs as más fácil de lo que parece,
Y nos puede ayudar en muchos aspectos

- release, code-gen, rutinas

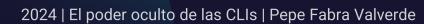


### Entendamos mejor las CLIs

Detalle y visión general

### Comandos

Instrucciones reutilizables, parametrizables



### Comandos

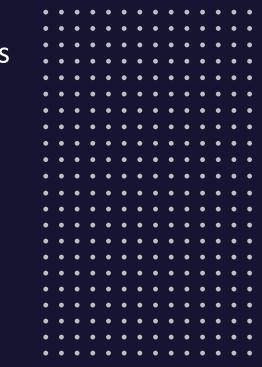
Son funciones, input -> proceso -> output

- Leen del stdin y devuelven al stdout
- Esto permite que puedan comunicarse con otros sitemas

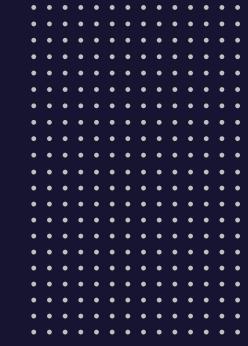


### CLI

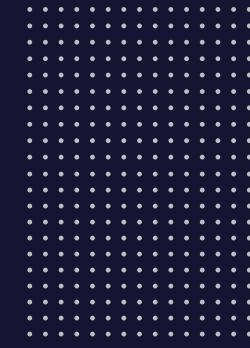
Son comandos que nos permiten interactuar con uno o varios sistemas



# pathing



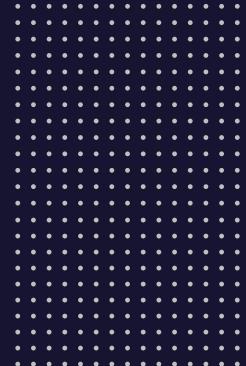
# args y uri



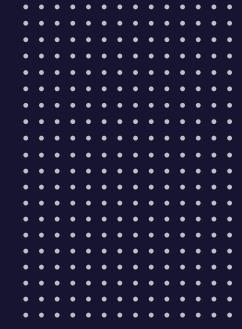
# logs y verbosidad

saber más

### Logs y verbosidad

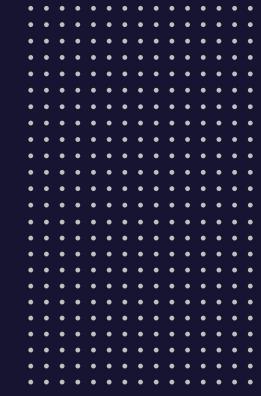


# pipelines



# apis

### Application Programming Interface

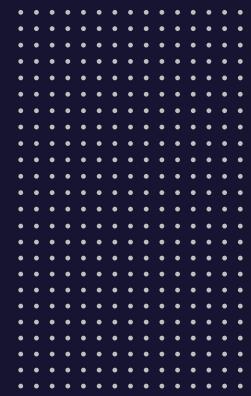




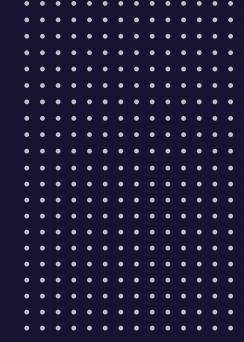
# restful apis

saber más

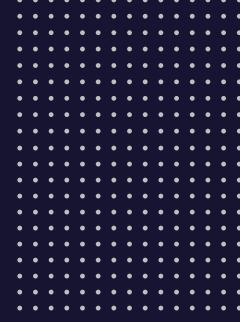
### RESTful APIs



# typescript

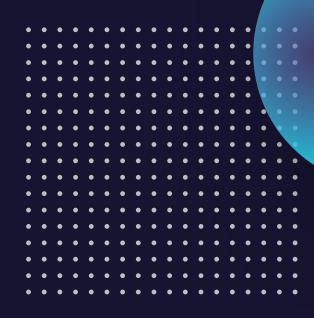


# java



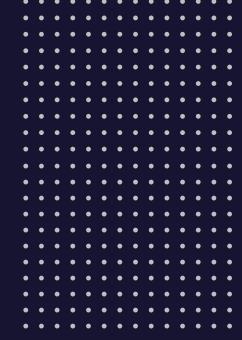
# Automatizaciones

DevOps, Arquitectura y comodidad



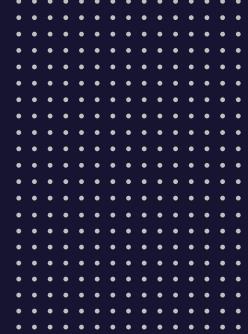
# A wise engineering solution would produce – or better, exploit – reusable parts.

Douglas McIlroy, <a href="mailto:leancrew.com/all-this/2011/12/more-shell-less-egg/">leancrew.com/all-this/2011/12/more-shell-less-egg/</a>

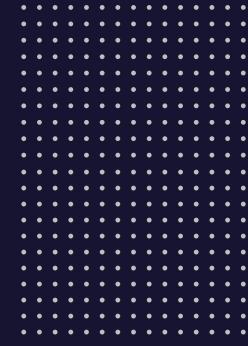


#### Título

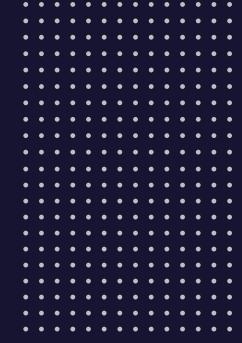
Cuerpo



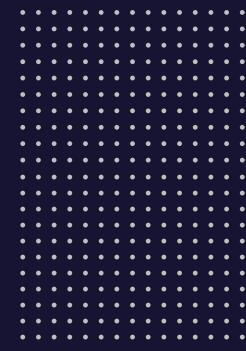
## crontab



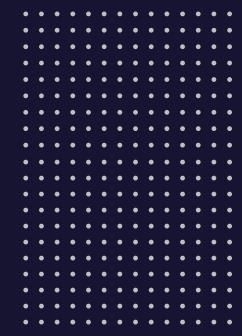
## hooks y eventos



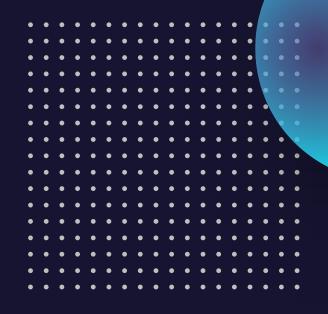
## pereza

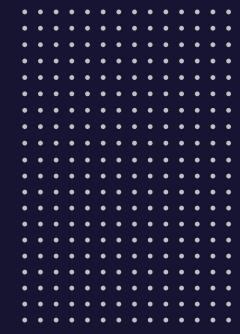


## devops y scripting

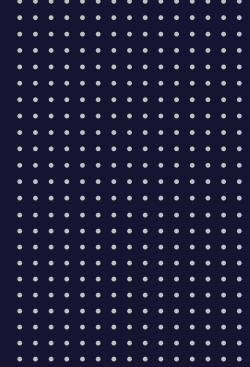


## architecture testing

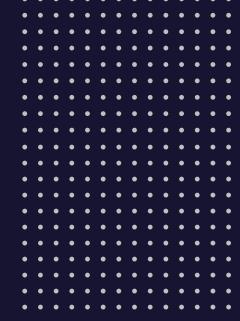




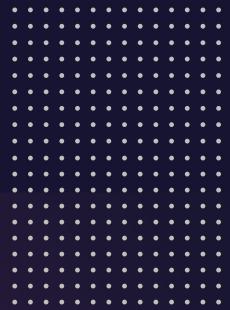
#### Arquitectura de Software



## matriz de Eisenhower

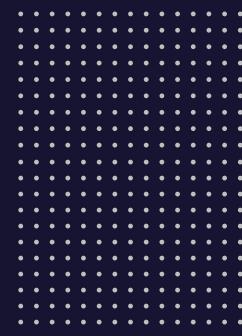


#### Matriz Eisenhower para automatización

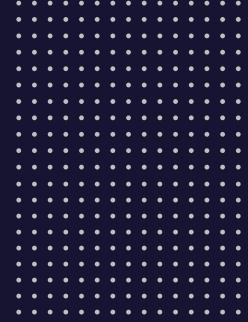


## Developer Experience

Qué es y relación con CLIs

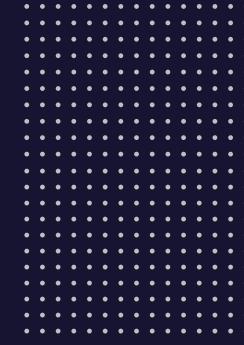


#### Developer Experience



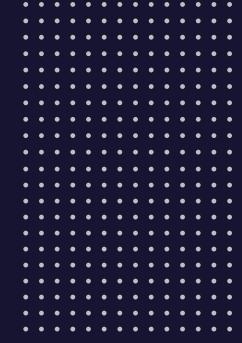
developer experience

## importancia del DX



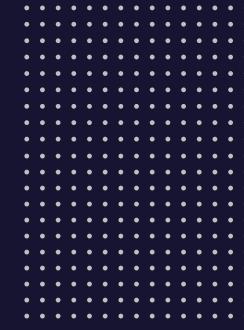
developer experience

dx <3 cli



# Terraformadores y Validadores

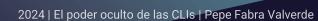
Automatizar cambios de código



terraformadores y validadores

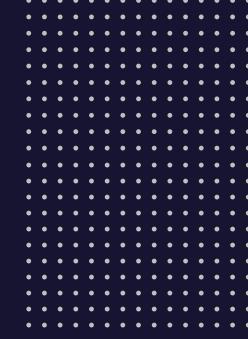
## code-gen

#### AST – Abstract Syntax Tree

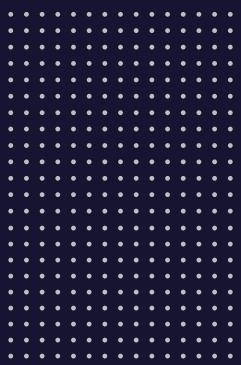


terraformadores y validadores

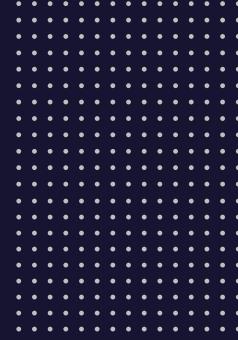
## templates



### Casing

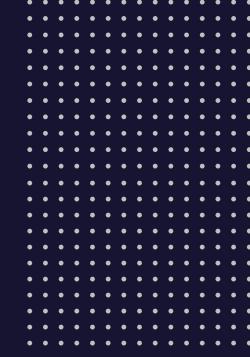


#### Ejemplos de templates



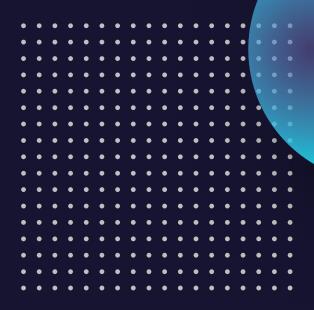
terraformadores y validadores

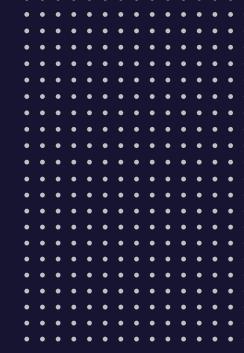
## terraformador



terraformadores y validadores

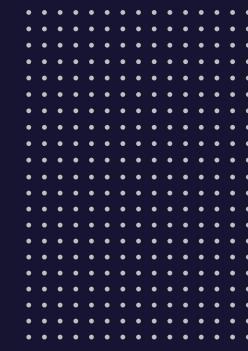
## validadores





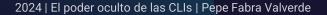
terraformadores y validadores

## devops



el poder oculto de las clis

## recapitulemos



### Bibliografía

- Node CLI book
- github.com/jofaval/node-cli/



#### Créditos

 https://poweredtemplate.com/free-dark-gradientpresentation-template-141850

# El poder oculto de las CLIs

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# Preguntas

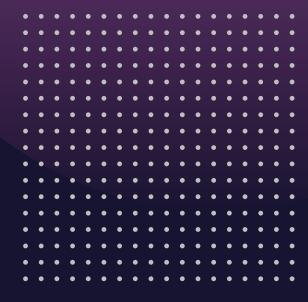


### Taller

Crea tu propia CLI

# magic-cli

- node o java, lo que prefieras
- rellena los huecos



# magic-cli

- node o java, lo que prefieras
- rellena los huecos

github.com/jofaval/the-hidden-power-of-clis

