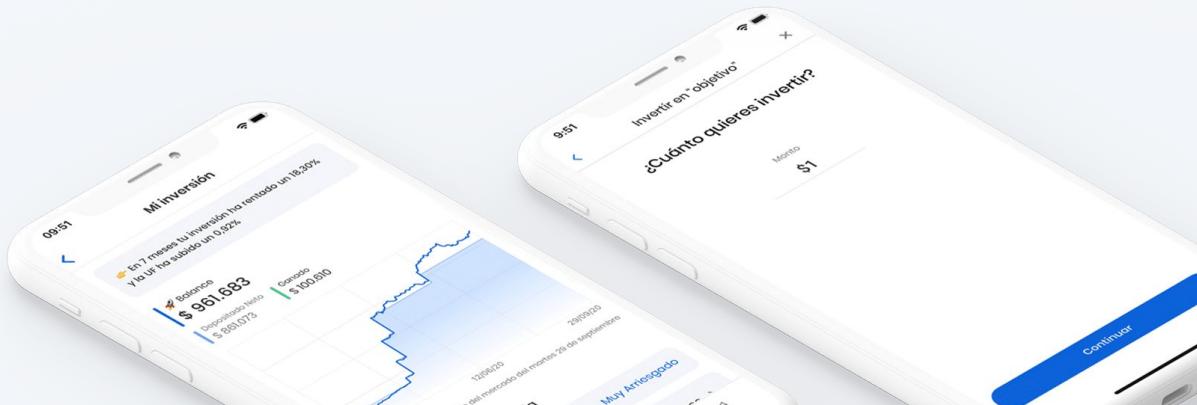




Fintual

Finanzas personales + **tecnología**

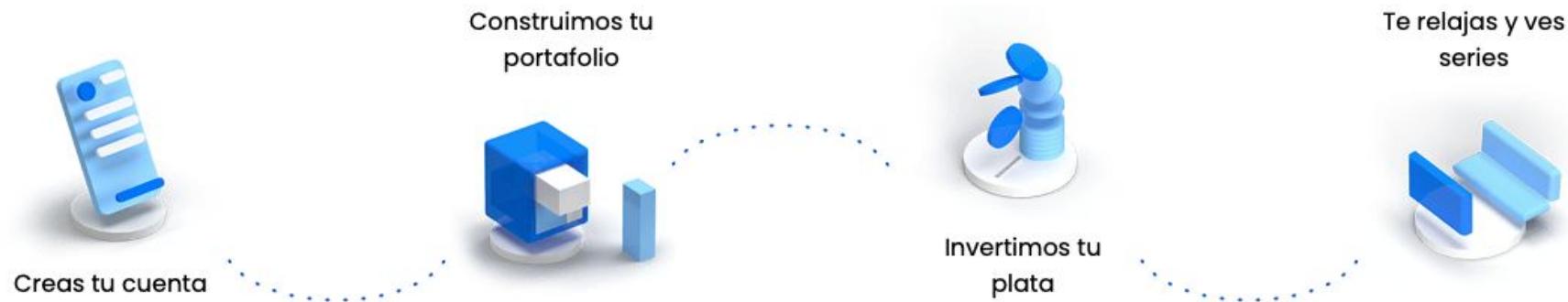


Fintual

Inversiones simples, transparentes y al alcance de todos

- +29K clientes
- Administramos \$220M
- 100% online y regulada por la CMF
- Estamos en Chile y México

En pocas palabras



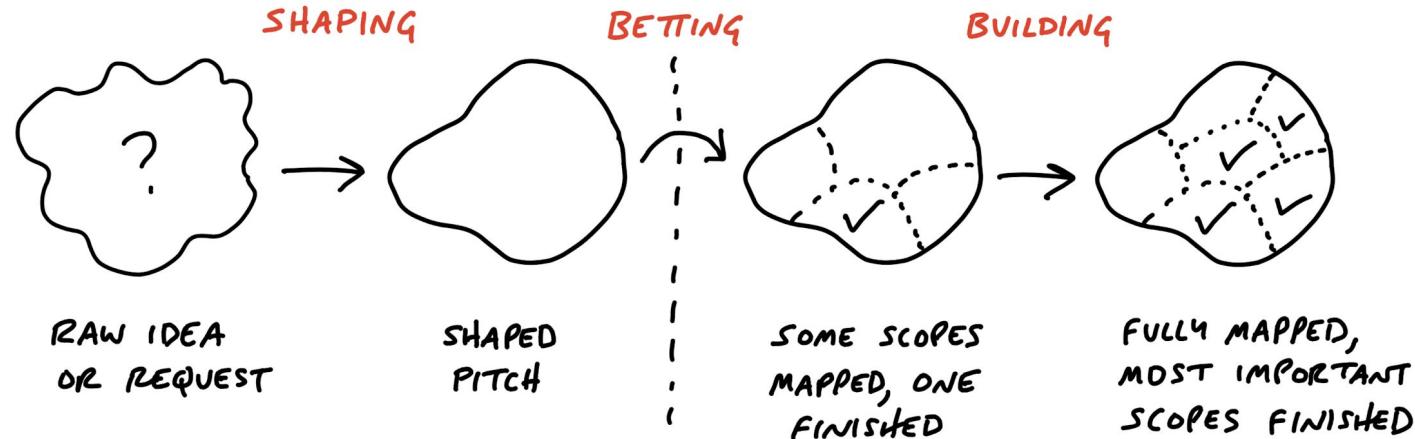
Desarrollo en fintual



Shape-up

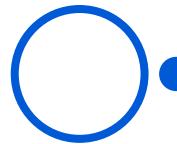
Con Shape-up se **da forma** a los proyectos y luego se desarrollan en ciclos de 6 semanas. Los equipos tienen la **responsabilidad completa** de los proyectos.

Shape-up



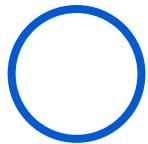
Shape-up en Fintual

Betting table

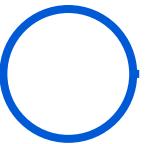


Building

Fintualpalooza



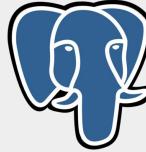
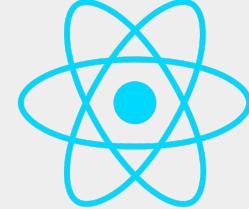
Coldown



Retrospectiva

Más información en: fintu.al/shapeup

Tecnologías

Backend	Database	DevOps	FrontEnd	Mobile
		  		
				

Proceso de un PR



Revisores

Revisión de código: *reviewers*

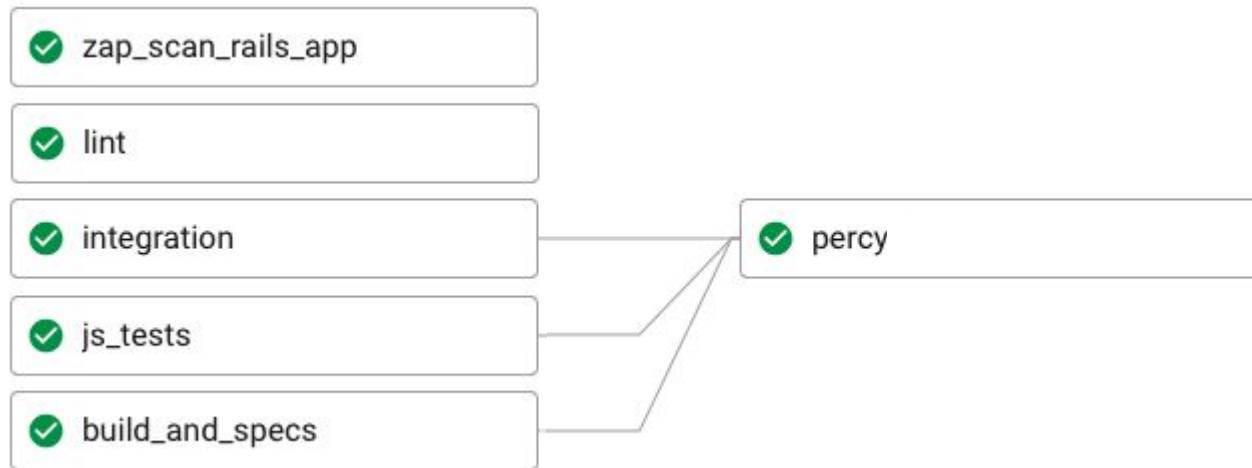
- Se elige aleatoriamente
- Permite que exploremos distintas áreas



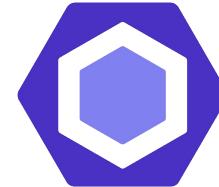
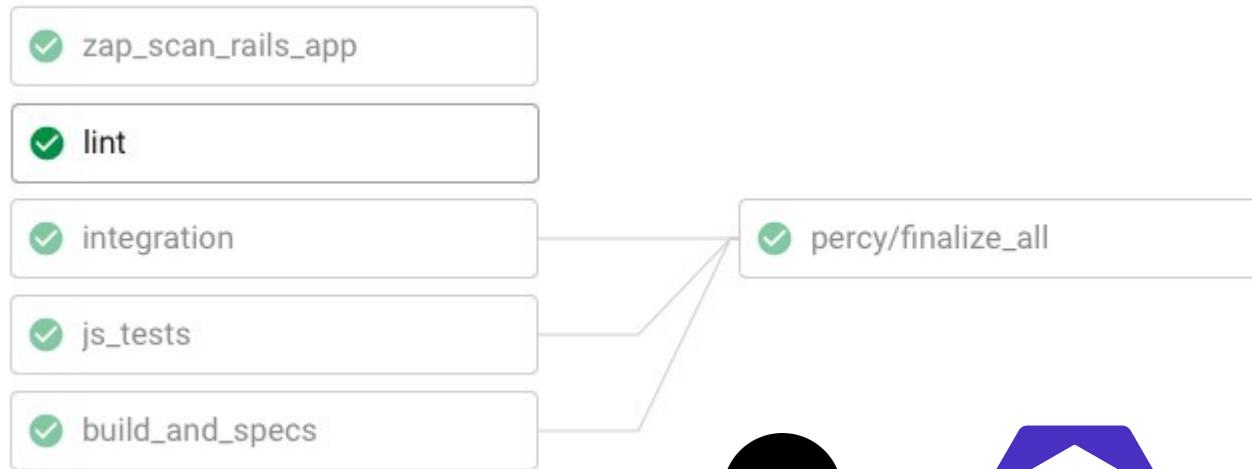
Control de calidad: *assignees*

- Compañero de equipo del ciclo

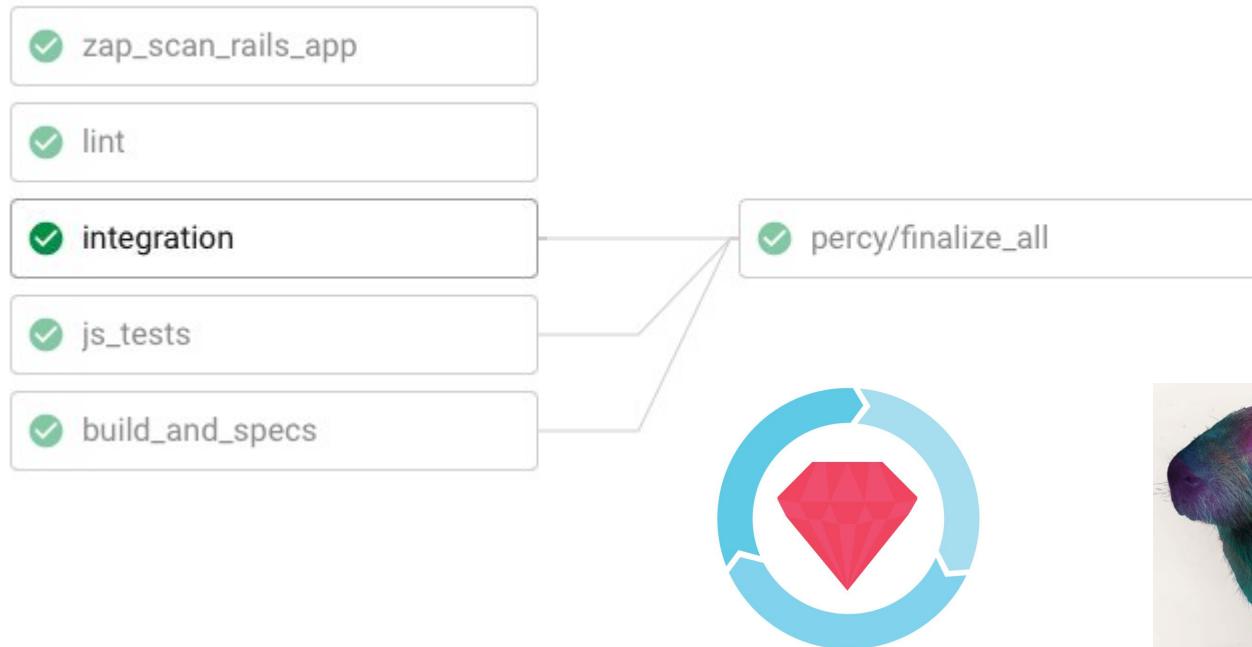
CircleCI



CircleCI



CircleCI



CircleCI



CircleCI



Percy



- Testing visual
- Snapshots a la interfaz, te permite identificar los cambios visuales de forma automática

Percy

The screenshot shows a Percy dashboard comparing two builds:

- Baseline from master**: Build 251 - 1 day ago.
- Changes from #294 - Change Sign Up button style.**: 5 minutes ago.

Key UI elements include:

- Approve All** button in the top right.
- Icon counts: 12 unreviewed changes, 63 snapshots.
- Image preview cards showing UI differences between the two builds.
- Dimensions for the images: 375px and 1280px.
- Buttons for Request changes and Approve.

Detailed description of the UI preview cards:

- Index Page Menu Closed**: Shows a dark dashboard with a menu icon and a red heart rate monitor icon.
- Changes from #294 - Change Sign Up button style.**: Shows a dark dashboard with a red heart rate monitor icon. The sign-up button style has been changed.

Percy

Cobramos poco para que a tu inversión le vaya mejor

Tenemos una de las comisiones anuales más bajas del mercado



Fintual

1,19%

Muchas comisiones parten
que a tu inversión le vaya
mejor

Te cobramos 1,19%, mientras que los
otros te cobran hasta 6,545%
Tenemos una de las comisiones
anuales más bajas del mercado



Tu inversión con Fintual

Fintual

1,19%

Review apps

Aplicación temporal en Heroku:

- Creada para cada PR
- Versión simplificada de staging
- Permite realizar el control de calidad

The screenshot shows the Heroku Review Apps interface. At the top, there's a header with "REVIEW APPS" and a dropdown. Below it, two temporary app instances are listed:

- paipu-staging-pr-16**: Associated with pull request #16, which created a file named "readmore.md". The commit hash is b1d39b9, and it was pushed 7 minutes ago.
- paipu-staging-pr-15**: Associated with pull request #15, which clarified instructions. The commit hash is 15f30ad, and it was pushed about an hour ago.

On the right side of each app listing, there are three vertical dots, likely for more options. Below the app lists, there's a menu with the following items:

- Open app in browser
- View pull request on GitHub
- View initial app setup...
- View latest build...

The screenshot shows the Heroku dashboard. At the top, there's a message: "This branch was successfully deployed" with a green rocket icon, indicating 1 active deployment. To the right, there's a "Hide environments" link.

Below this, another deployment entry is shown for the "example-pr-0001" branch, which was deployed 40 minutes ago by a user named "someuser". There's a "View deployment" button next to this entry.



This branch was successfully deployed

1 active deployment

Show environments



Changes approved

2 approving reviews by reviewers with write access. [Learn more.](#)

[Hide all reviewers](#)

✓ 2 approvals



ncampost92 approved these changes

...



alepimentel approved these changes

...



All checks have passed

7 successful checks

[Hide all checks](#)



✓ ci/circleci: build_and_specs — Your tests passed on CircleCI!

Required

[Details](#)



✓ ci/circleci: finalize_all — Your tests passed on CircleCI!

Required

[Details](#)



✓ ci/circleci: integration — Your tests passed on CircleCI!

Required

[Details](#)



✓ ci/circleci: js_tests — Your tests passed on CircleCI!

Required

[Details](#)



✓ ci/circleci: lint — Your tests passed on CircleCI!

Required

[Details](#)



This branch has no conflicts with the base branch

Merging can be performed automatically.

[Merge pull request](#)



You can also [open this in GitHub Desktop](#) or view command line instructions.

Deploy automático



CircleCI: deploy

- Merge de master a production, en ciertos momentos del día
- Integración heroku

```
30 12,18 * * 1-4
```

Hackers éticos

Premiamos a quienes nos ayuden a encontrar vulnerabilidades en nuestro sitio

Más detalles en <https://edu.fintual.cl/bug-bounty-program/>

The screenshot shows a news article from Fintual.edu. At the top, there's a navigation bar with links for Clases, Educación financiera, Entrevistas, Noticias, and Podcasts. On the right side of the header are buttons for 'Pruébalo Discovery' and 'Ir a fintual'. Below the header, there's a section titled 'Difunde' with social media sharing icons for Twitter, Facebook, and LinkedIn. The main title of the article is 'Fintual destina US\$250,000 para premiar a hackers'. Below the title, the author is listed as 'Andrés Marinkovic' with the subtitle 'Ingeniero Civil Electricista de la Chile' and a small lightning bolt icon. It also indicates a '① lectura de 2 min'. The article's preview image shows a person holding a laptop with several stickers on it, including one that says 'HACKED'.

Super héroes



Avengers

Wasp

Tareas ~4 horas,
priorizados por PO



Groot

Tareas dedicadas
a desarrolladores



Rombos

Escribe pitches
para devs



Storm

Tareas dedicadas
a operaciones



Liga de la Justicia

Batman

Prioriza issues y responde dudas en Slack



A screenshot of a Slack conversation in the **#general** channel. The messages are displayed as cards:

- # batcave - Oct 21st**: **batcaveold** - Jan 30th: **es urgente, estamos** **View in channel** **28 replies**
- # general**: **sebastian** 4:20 PM: **@batman me creé un usuario de staging, please?**
- # dev - Mar 30th**: **agustin** 11:45 AM: **@batman estás al tanto de que no se está haciendo u** **en Heroku?**
- # general**: **nick** 11:45 AM: **@batcav... 5 replies**

The message from **sebastian** is highlighted in yellow. A large, semi-transparent callout bubble originates from this message, containing the text: **as con el simulador**, **tagging al grupo de**, and **en Heroku?**.

Liga de la Justicia



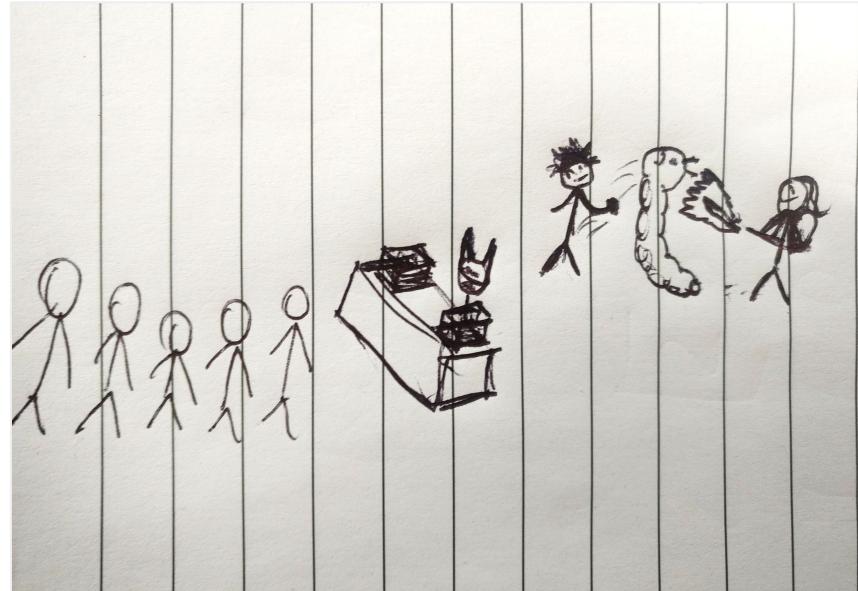
Batman

Prioriza issues y responde dudas en Slack



Robin

Resuelve las tareas priorizadas por Batman



Artista: Shashashef

Batsignal



Batsignal

 **BatSignal** APP 9:00 AM

 **ALERTA - Hay depósitos pendientes a clientes** 

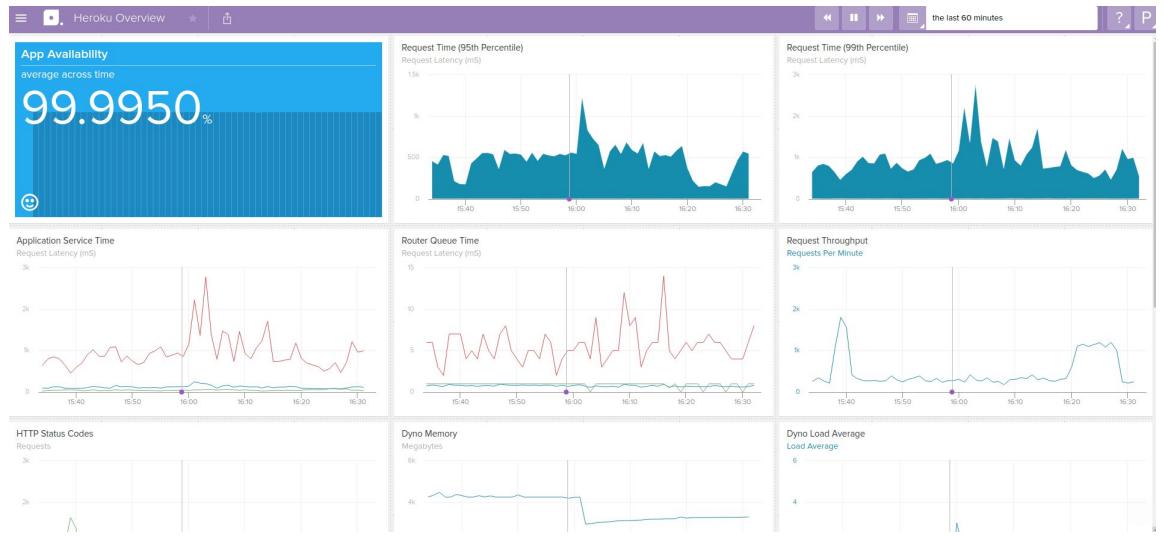
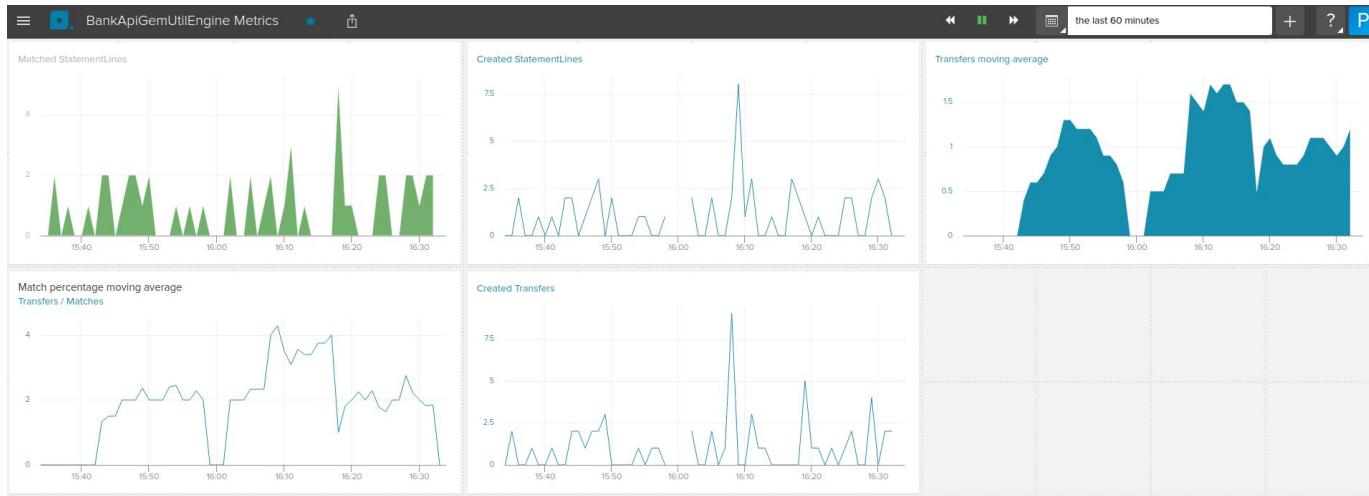
Usuario: Señora Juanita
Rut: 11111111-1
Email: juanita@gmail.com
Nº de Cuenta: 00000000000000
Tipo de Cuenta: Cuenta Corriente
Banco: Banco Santander
Monto: \$ 50.000
identificador : un identificador indefenso

 **BatSignal** APP 11:34 AM

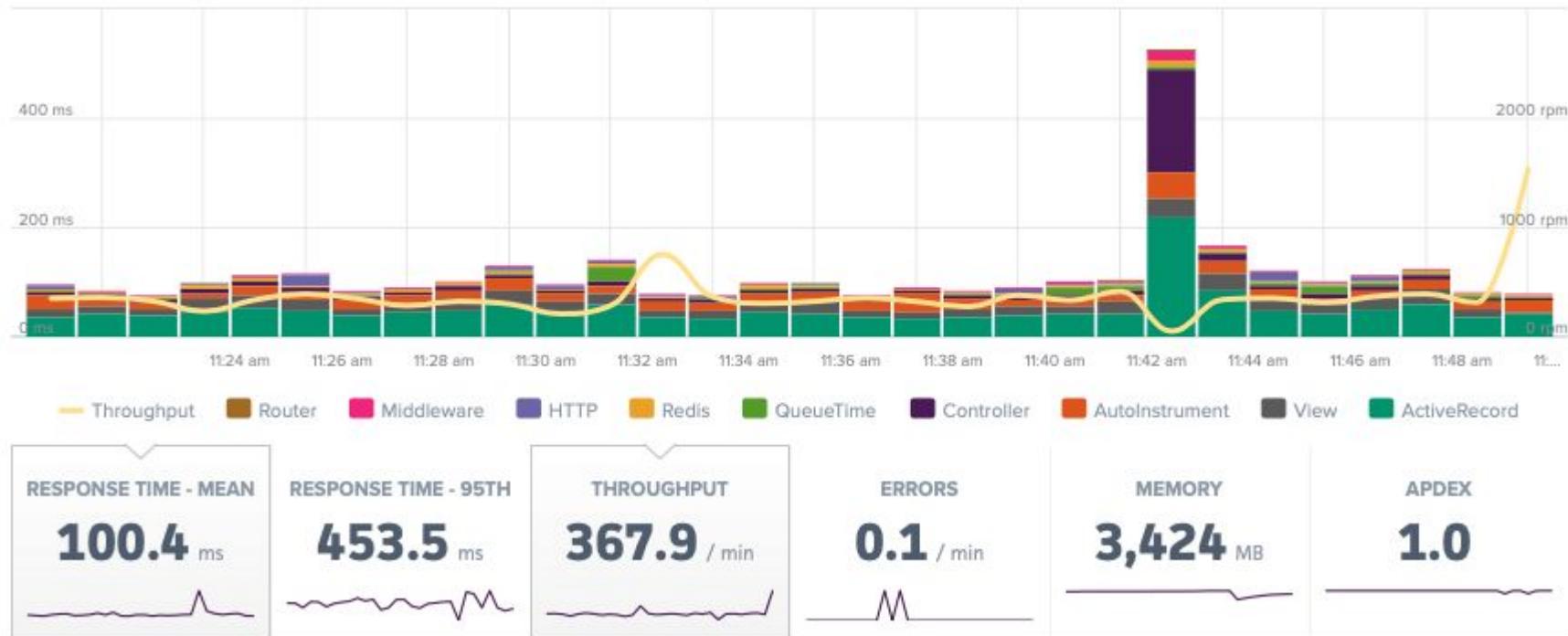
 **New issue created for X, se quedó sin créditos** 

Details:
Issue Url: <https://linkalissue>

Librato



Scout Performance Monitoring



Heroku Metrics

Events

WED 21ST UTC

6 PM 9 PM

THU 22ND UTC
12 AM

3 AM

6 AM

9 AM

12 PM

3 PM

Alerts

Deploys

Scale

Config

Restart

H27

Critical
Warning
Info
Activity

Memory Usage

LATEST

18.3 % 2,626.4 MB

MAX

32.9 % 4,717.0 MB

AVERAGE

27.3 % 3,907.0 MB

WED 21ST UTC

3 PM 6 PM 9 PM

THU 22ND UTC
12 AM

3 AM

6 AM

9 AM

12 PM

3 PM

14 GB

12 GB

10 GB

8 GB

6 GB

4 GB

2 GB

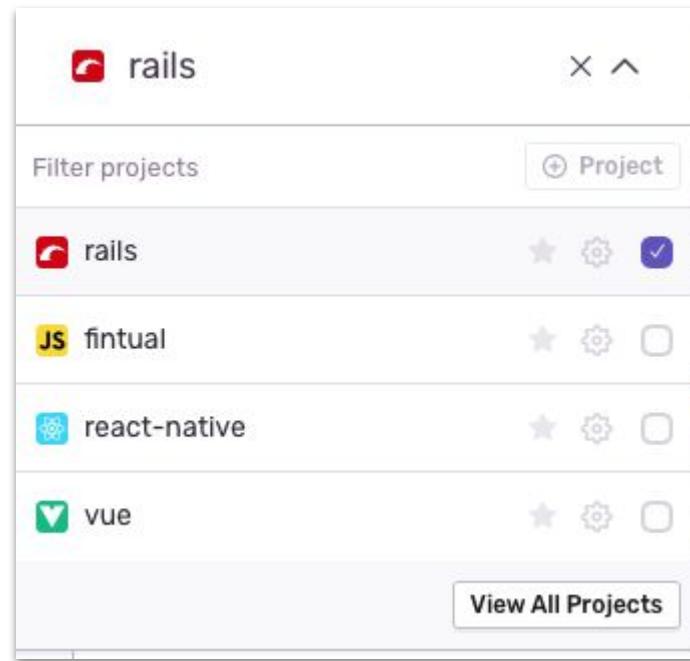
0 GB

34342870

15 15600f 6b7a8b2d

✓ MEM QUOTA 14,336 MB
✓ MAX TOTAL 2,626 MB
✓ AVG. TOTAL 1,698 MB
✓ MAX SWAP 0 MB
✓ MAX RSS 2,626 MB

Sentry - Pipeline de errores



Sentry - Pipeline de errores

	<input type="checkbox"/> Resolve	<input type="checkbox"/> Ignore	<input type="checkbox"/> Merge		GRAPH:	24h 14d	EVENTS	USERS	ASSIGNEE
	<input type="checkbox"/>					3	0		
	Error::NoSuchWindowError	directory/							
		But I must explain to you how all this mistaken idea of deno...							
		identificador 43 minutes ago – 9 days old ruby							
	<input type="checkbox"/>					169	0		
	SomeApi::FetchError	ActiveJob::SomeModule							
		Lore ipsum dolor sit amet, consectetur adipiscing elit, sed ...							
		identificador an hour ago – 2 months old ruby							
	<input type="checkbox"/>					36	3		
	ActionView::Template::Error	SomeTemplate							
		Ut enim ad minim veniam, quis nostrud exercitation ullamco...							
		identificador an hour ago – 6 hours old ruby							

Sentry

EXCEPTION (most recent call first)

Original Minified App Only Full Raw

Error

500: Failed to checkout

mechanism instrument handled yes function setTimeout

JS components/App.js in apply at line 153:17

```
148.         throw error;
149.     }
150.     if (response.statusCode === 200) {
151.         this.setState({ success: true });
152.     } else {
153.         throw new Error(response.statusCode + ": Failed to checkout");
154.     }
155. }
156. );
157. }
158.
```

Called from: ../node_modules/request/request.js in call

PaperTrail

```
Jun 24 13:45:36 haproxy epa-http.txt: dd14-034.compuserve.com [30:01:46:50] "GET /logos/small_gopher.gif HTTP/1.0" 200 935
Jun 24 13:45:38 haproxy epa-http.txt: dd14-034.compuserve.com [30:01:46:54] "GET /logos/small_ftp.gif HTTP/1.0" 200 124
Jun 24 13:45:40 haproxy epa-http.txt: ix-eve-wa2-02.ix.netcom.com [30:01:46:55] "GET /docs/EPA-WASTE/1994/October/Day-05 HTTP/1.0" 302 -
Jun 24 13:45:40 haproxy epa-http.txt: dd14-034.compuserve.com [30:01:46:56] "GET /icons/book.gif HTTP/1.0" 200 156
Jun 24 13:45:41 haproxy epa-http.txt: ix-eve-wa2-02.ix.netcom.com [30:01:46:56] "GET /EPA-WASTE/1994/October/Day-05/ HTTP/1.0" 200 623
Jun 24 13:45:42 haproxy epa-http.txt: dd14-034.compuserve.com [30:01:46:58] "GET /logos/us-flag.gif HTTP/1.0" 200 2788
Jun 24 13:45:43 haproxy epa-http.txt: ix-eve-wa2-02.ix.netcom.com [30:01:47:12] "GET /docs/EPA-WASTE/1994/October/Day-03 HTTP/1.0" 302 -
Jun 24 13:45:45 haproxy epa-http.txt: ix-eve-wa2-02.ix.netcom.com [30:01:47:14] "GET /EPA-WASTE/1994/October/Day-03/ HTTP/1.0" 200 785
Jun 24 13:45:46 haproxy epa-http.txt: dd14-034.compuserve.com [30:01:47:19] "GET /icons/ok2-0.gif HTTP/1.0" 200 231
Jun 24 13:45:48 haproxy epa-http.txt: bettong.client.uq.oz.au [30:01:47:24] "GET /enviro/html/emci/emci_overview.html HTTP/1.0" 200 2352
Jun 24 13:45:49 haproxy epa-http.txt: bettong.client.uq.oz.au [30:01:47:31] "GET /enviro/gif/efacts.gif HTTP/1.0" 200 1367
Jun 24 13:45:50 haproxy epa-http.txt: 202.96.29.111 [30:01:47:34] "GET /PressReleases/ HTTP/1.0" 200 1241
Jun 24 13:45:51 haproxy epa-http.txt: bettong.client.uq.oz.au [30:01:47:37] "GET /enviro/gif/blueball.gif HTTP/1.0" 200 903
Jun 24 13:45:53 haproxy epa-http.txt: ix-eve-wa2-02.ix.netcom.com [30:01:47:37] "GET /Rules.html HTTP/1.0" 200 3273
Jun 24 13:45:53 haproxy epa-http.txt: 202.96.29.111 [30:01:47:38] "GET /icons/circle_logo_small.gif HTTP/1.0" 200 2624
Jun 24 13:45:54 haproxy epa-http.txt: 202.96.29.111 [30:01:48:04] "POST /cgi-
    bin/waisgate/134.67.99.11=earth1.epa.gov=210=/usr1/comwais/indexes/PressReleases=gopher%40earth1=0.00=:free HTTP/1.0" 200 3993
Jun 24 13:45:54 haproxy epa-http.txt: 202.96.29.111 [30:01:48:16] "GET /waisicons/text.xbm HTTP/1.0" 200 527
Jun 24 13:45:55 haproxy epa-http.txt: dd14-034.compuserve.com [30:01:48:22] "GET /Rules.html HTTP/1.0" 200 3273
Jun 24 13:45:57 haproxy epa-http.txt: www-c8.proxy.aol.com [30:01:48:23] "GET /docs/Searchable.html HTTP/1.0" 200 765
Jun 24 13:45:58 haproxy epa-http.txt: bettong.client.uq.oz.au [30:01:48:25] "GET /enviro/gif/banner.gif HTTP/1.0" 200 14887
Jun 24 13:54:14 farm-trivia-72 app/web.1: User Load (1.2ms) SELECT "users".* FROM "users" WHERE "users"."id" = $1 ORDER BY "users"
    LIMIT 1 [{"id": 1}]
Jun 24 13:54:14 farm-trivia-72 app/web.1: (1.3ms) SELECT COUNT(*) FROM "products"
Jun 24 13:54:14 farm-trivia-72 heroku/router: at=info method=GET path="/a" host=farm-trivia-72.herokuapp.com request_id=3a095914-087a-4b7a-9f88-81d
    fwd="23.252.53.179" dyno=web.1 connect=1ms service=44ms status=200 bytes=6407
Jun 24 13:54:14 farm-trivia-72 app/web.1: Product Load (1.4ms) SELECT "products".* FROM "products" ORDER BY products.updated_at de
Jun 24 13:54:14 farm-trivia-72 app/web.1: User Load (1.4ms) SELECT "users".* FROM "users" ORDER BY users.updated_at desc LIMIT 1
Jun 24 13:54:14 farm-trivia-72 app/web.1: (1.2ms) SELECT COUNT(*) FROM "users"
```

¿Qué pasa cuando fallan herramientas?

Post mortem



"A **postmortem** is a written record of an incident, its impact, the actions taken to mitigate or resolve it, the root cause(s), and the follow-up actions to prevent the incident from recurring."

Postmortem Culture: Learning from Failure

Estructura de un Post Mortem

- Título
- Resumen
- Impacto
- Causa principal
- Resolución
- Detección
- Action Items
- Lecciones
 - Qué salió bien
 - Qué salió mal
 - Dónde tuvimos suerte
- Descripción técnica
- Línea de tiempo

Estructura de un PM

En Fintual

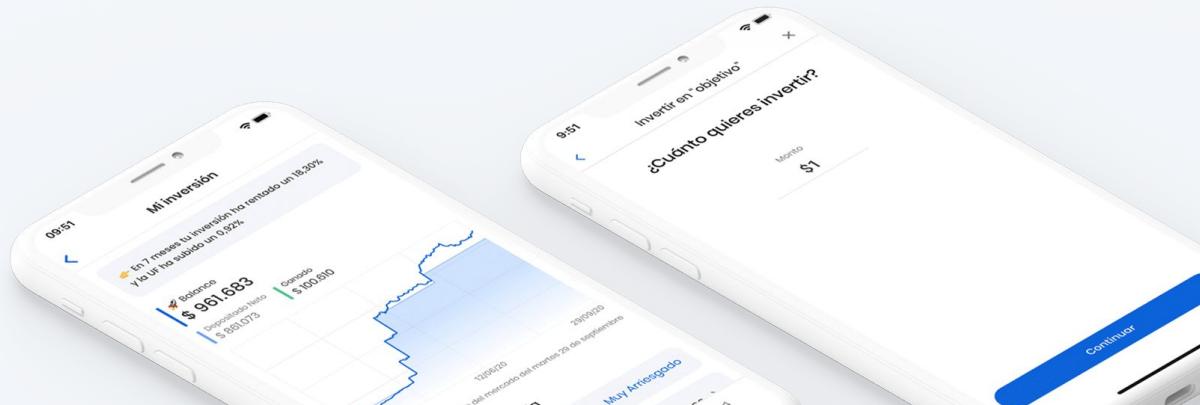
Título	Impacto	Causa principal	Descripción técnica	Action items
Resumen	Resolución	Línea de tiempo	Lecciones	
	Detección			

Puntos clave de PM

- Blameless
- Actionable



¡Gracias! 🧪



gerinelda@fintual.com
saratscheff@fintual.com