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Platforms from Prototype to Production

How to shape your platform to account for growth in your application





Thank you!



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We'll cover...

- Things that you need to think about when growing a service
- The necessity of sacrifice (in other words, trade offs)
- Explore tools that solve common problems at each stage



Service Lifecycle

The typical phases an app takes as it goes from prototype to production. Every stage requires a sacrifice - the answer is "what?"

Prototype	Rapid Growth	Stabilising
Things to think about when prototyping - what can you	Adjusting to popularity	Trimming the fat when your business' growth has stabilised



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Join at

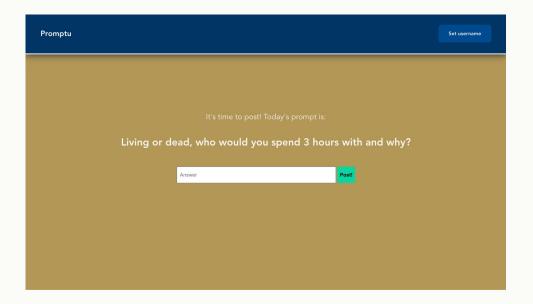
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The Heroine of our Story

Promptu - where users can anonymously post an answer to to a daily thought-provoking question. Users can also see other users' posts.



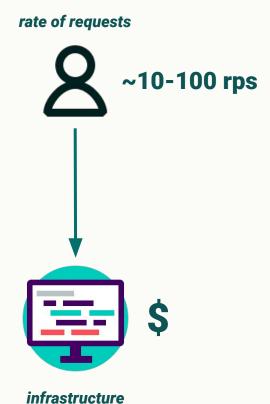
Prototyping

What are your requirements like?



- Little capital
- Low number of users
- Unsure of growth prospects
- Fast development





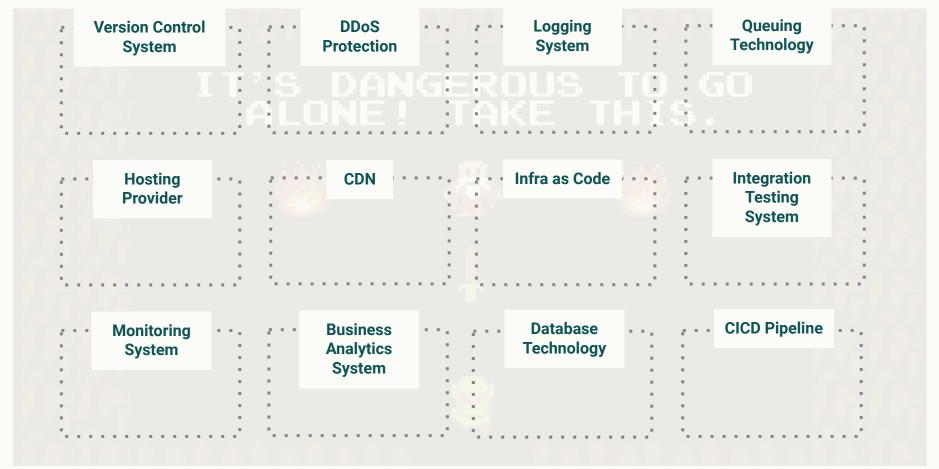


Promptu features so far...

- One post per day/username (write heavy, bursty)
- See posts after posting
- No login required

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Version Control System	Protection	System provided by existing	Technology
Hosting · · ·	CDN · · · · ·	· · · Infra as Code	· · · Integration
Provider	CDN	initia as code	Testing System
Monitoring System	Business Analytics	Database Technology	CICD Pipeline
provided by existing	System :		



Choose your adventure!

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A Hosting Provider





SQL NoSQL













Hosting Provider













Version Control System	DDoS Protection	Logging System	Queuing Technology
		provided by existing	
Hosting Provider Fly.io	CDN	Infra as Code	Testing System
Monitoring	Business	. Database	CICD Pipeline
System provided by existing	Analytics System	Technology mongoDB	

Rapid Growth

What are your requirements like?



- Investment money
- Niche user base
- Now-or-never growth prospects
- Fast development







Promptu has new features planned!

- One post per day/username (write heavy, bursty)
- See posts after posting
- No login required
- Likes for posts
- Commenting on posts
- Logins
- Al based ads

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Version Control	DDoS · · ·	Logging Logging	· · · Queuing · · · ·
System	Protection	System	Technology
		: provided by :	
		existing	1
		·	÷
· · · Hosting · · ·	CDN	· · · Infra as Code · · · ·	· · · Integration · · · ·
Provider	: :	: :	Testing
			- System -
Fly.io			
. · · Monitoring · · ·	Business · · ·	. Database	CICD Pipeline
System	Analytics	: Technology	
provided by	System	1 🛦	
		mongoDB	
existing :	:	· WITTERS DD®	



Version Control System



DDoS Protection



Logging System



Queuing Technology

Hosting Provider



CDN



Infra as Code

Integration Testing System



Monitoring System



Business Analytics System

custom

Database Technology



CICD Pipeline





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Infrastructure as Code

Queuing Technology



Infrastructure as Code













Queuing Technology

Things to consider (what it introduces)

- Costly
- Complex architecture
- Increased latency
- "Throttling"
- Compartmentalisation
- Fault tolerance



Queuing Technology

















Version Control System



DDoS Protection



Logging System



Queuing Technology



Hosting Provider



CDN



Infra as Code



Integration Testing System



Monitoring System



Business Analytics System

custom

Database Technology



CICD Pipeline



Thank you!

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