Large scale projects with WP

Nino Mihovilić

01 **Challenges**

- Dev collaboration - uploads, database

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- Onboarding people - project setup

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- Maintenance - new features

- Dev collaboration - uploads, database

- Onboarding people - project setup

- Maintenance - new features

- Client - status update

02 **Large scale project**

- Many templates - custom Gutenberg blocks

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- CPTs

- Many templates - custom Gutenberg blocks

- CPTs

- 3rd party integrations

- Many templates - custom Gutenberg blocks

- CPTs

- 3rd party integrations

- Long duration (5+ months)

Approach

- Product - Scrum

- Product - Scrum

- Sprints

- Product - Scrum

- Sprints

- Daily meetings

- Product - Scrum

- Sprints

- Daily meetings

- Client sprint reviews

- Product - Scrum

- Sprints

- Daily meetings

- Client sprint reviews

- "Board" meetings

Dev setup

- Boilerplate theme

- Boilerplate theme

- Composer

- Boilerplate theme

- Composer

- AWS

- Boilerplate theme

- Composer

- AWS

- Remote DB

- Boilerplate theme

- Composer

- AWS

- Remote DB

- Amazon S3 + CloudFront

05 **Boilerplate theme**

- Custom skeleton

- Custom skeleton

- Folder layout

  - App

  - Page-templates

  - Partials

  - Static

- Custom skeleton

- Folder layout

  - App

  - Page-templates

  - Partials

  - Static

- Examples

Composer

- PHP package manager

- PHP package manager

- Autoloading

- PHP package manager

- Autoloading

- Plugin installation

- PHP package manager

- Autoloading

- Plugin installation

- Static analysis

07 **Static analysis**

- PHPStan

- PHPStan

- PHPCPD

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- PHPMD

- **PHPStan**

- **PHPCPD**

- **PHPMD**

- **PHPCS - WordPress coding standard**

  - Without WordPress filenames rule, because of autoloader

AWS

- Flexibility

- Flexibility

- Performance

- Flexibility

- Performance

- S3

- Flexibility

- Performance

- S3

- CloudFront

09 **Dev Environments**

- **Local**

  - Remote DB

  - S3 bucket - uploads

  - Composer - plugin installation

- **Local**

  - Remote DB

  - S3 bucket - uploads

  - Composer - plugin installation

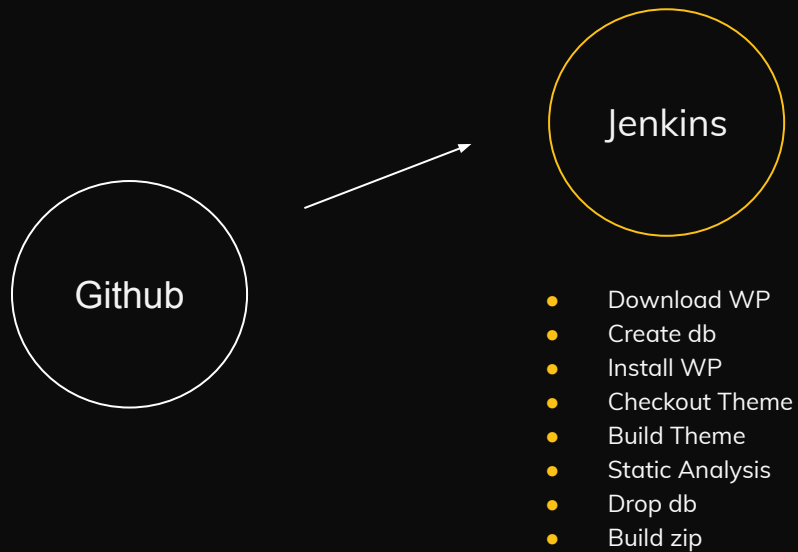- **Integration**

  - Internal testing

- Staging
  - Client testing

- Staging
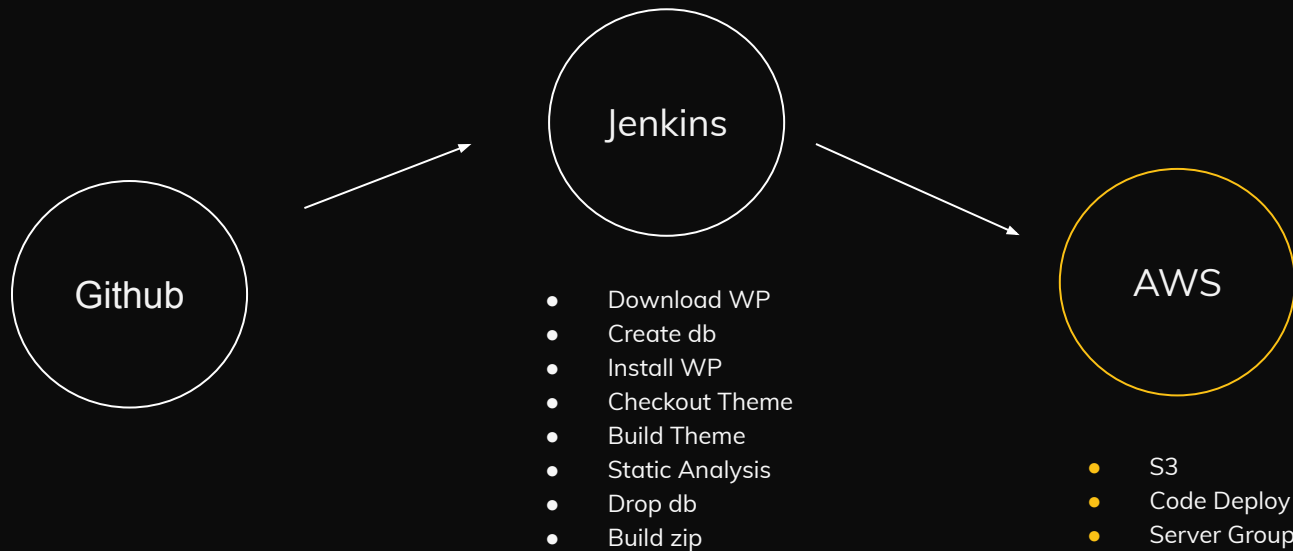
  - Client testing

- Production

Deployment

Integration

Github

Integration

Github →　Jenkins

- Download WP
- Create db
- Install WP
- Checkout Theme
- Build Theme
- Static Analysis
- Drop db
- Build zip

Integration

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- Download WP
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AWS

- S3
- Code Deploy
- Server Group

Staging

Github

- Tag Release

Jenkins

- Download WP
- Create db
- Install WP
- Checkout Theme
- Build Theme
- Static Analysis
- Drop db
- Build zip

AWS

- S3
- Code Deploy
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Production

Github

- Tag Release

Jenkins

- Download WP
- Create db
- Install WP
- Checkout Theme
- Build Theme
- Static Analysis
- Drop db
- Build zip

- Manually deploy to production

AWS

- S3
- Code Deploy
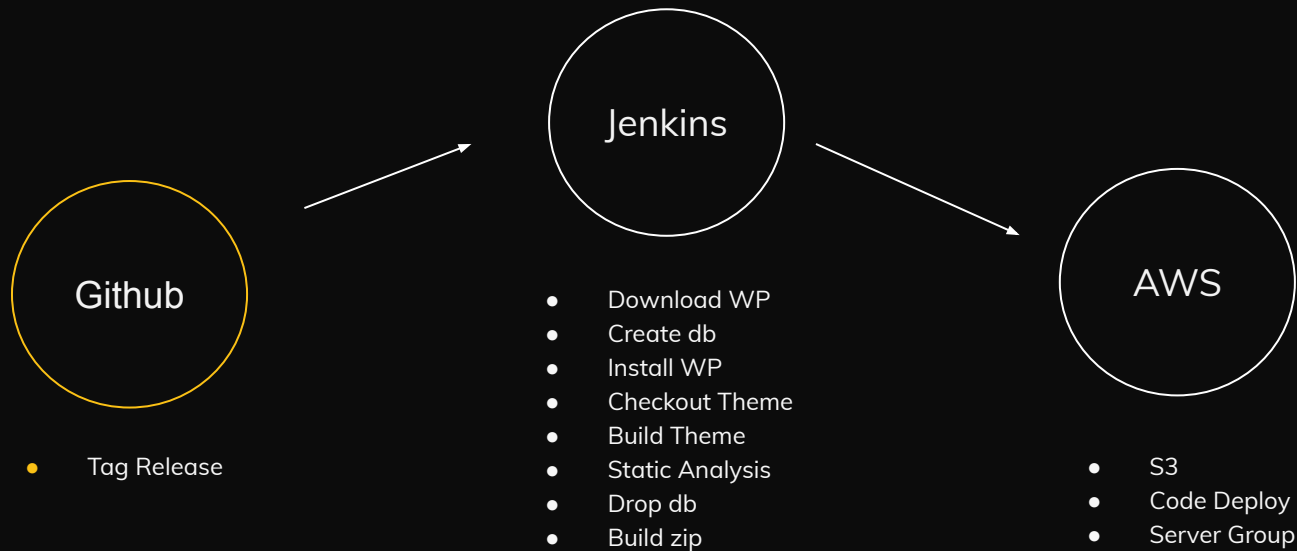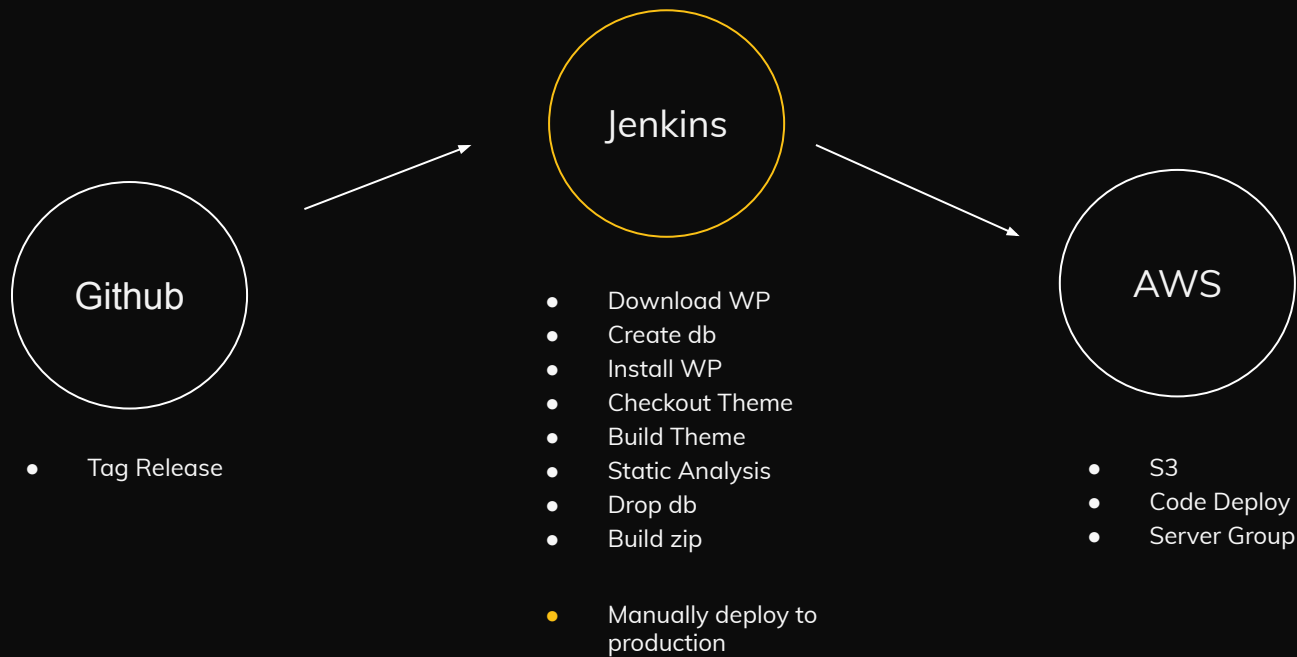- Server Group

11 **Output**

- Devs are in sync

- Devs are in sync

- Easy onboarding

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- Maintainable code

- Devs are in sync

- Easy onboarding

- Maintainable code

- Client is well informed

Thank you