Performance metrics driven CI/CD

... In a nutshell

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SOFTWARE WILL EAT THE WORLD
It’s not about **blind automation** of pushing more **bad code** on **new stacks** through a pipeline.
Not only *fast delivered* but also *delivering fast*!

<table>
<thead>
<tr>
<th></th>
<th>Response Time</th>
<th>Conversions</th>
</tr>
</thead>
<tbody>
<tr>
<td>amazon.com</td>
<td>↓ +100ms</td>
<td>−1%</td>
</tr>
<tr>
<td>Walmart</td>
<td>↑ −1000ms</td>
<td>+2%</td>
</tr>
<tr>
<td>STAPLES</td>
<td>↑ −1000ms</td>
<td>+10%</td>
</tr>
</tbody>
</table>

Performance metrics in your pipeline

1. Performance validation:
   1. response time corridor
   2. # of SQL calls (N+1!)
   3. # of service calls (N+1!)
   4. # of exceptions (Frameworks)

2. Architectural validation
   1. Making sure services are calling the right thing and not skipping layers
Performance metrics in your pipeline

1. Not just for back-end developers!
   1. # of domains
   2. # of images
   3. Resource size
   4. Page size
Performance management for the digital customer age