

Generative Al and the future of development

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Will Al replace developers?

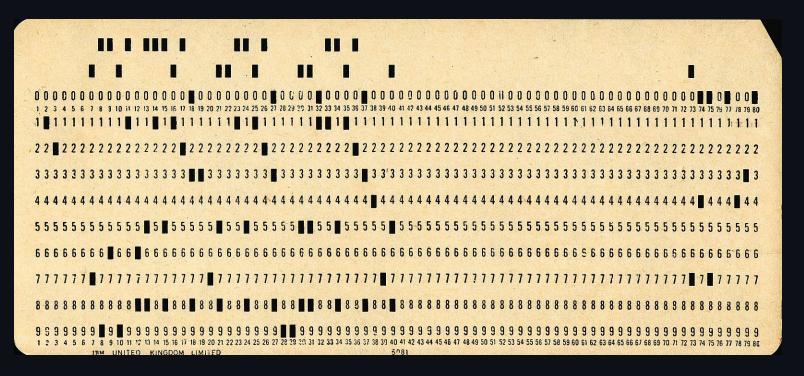
Short answer: No

Longer answer: Also no

We sometimes overhype technology

We're always improving how we create software

We've moved beyond these



We've created many languages

- Assembly
- FORTRAN
- FLOW-MATIC
- COBOL
- C, C++
- Python
- Java
- JavaScript

- C#
- Scratch
- Scala
- F#
- PowerShell
- Go
- TypeScript
- Swift

Let's talk about web frameworks...

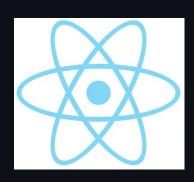
jQuery was revolutionary

```
$('#button').click(function () {
  alert('Hello, world!');
});
```

And now we've got...









We're making things more difficult...

...at the same time we're making it easier...

...and opening dev to "non-devs".

There's still a never-ending demand for software

How can generative Al support developers?

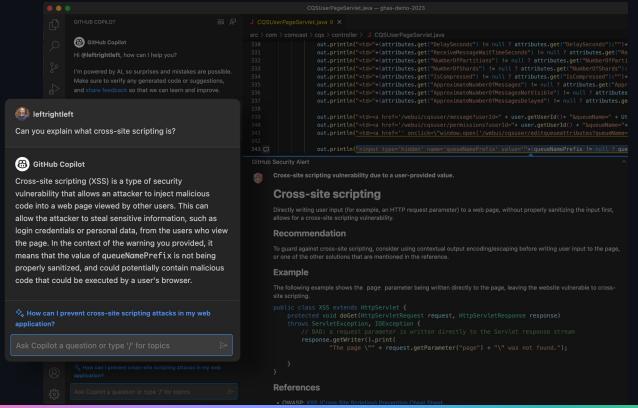
Offload boilerplate code

```
# Create a speaker with name, bio, email and linkedin url
class Speaker(models.Model):
    name = models.CharField(max_length=100)
    bio = models.TextField()
    email = models.EmailField()
    linkedin = models.URLField()
    def __str__(self):
        return self.name
```

Generate unit tests

```
// import models
const { Speaker, Talk } = require('../../src/api/models');
// test validation for speaker
    const speaker = new Speaker();
```

Inline upskilling



How to get the most out of the tools?

Provide context

Be specific

Good code begets good code

Find the flow

Offload the boring and focus on the bigger issues

What if I get bad code?

How I wrote code before generative AI

Write code based on experience

Find snippets in documentation

Find snippets in forums

Keep your DevOps flow even with generative Al

Peer review

IP checks

Code quality scans

Security scans

In the end...

Generative Al is a tool to help you be more productive as a developer

Thank you