Beyond Developer

Dan North

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The Old Testament

In the beginning…

1844: All the code in the world

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In the beginning…

1844: All the programmers in the world

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100 years later…

```
You wait. Time passes...
Thorin waits.

You wait. Time passes...
Thorin waits.

You wait. Time passes...

You wait. Time passes...

You wait. Time passes...
```

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Necessity is the mother of invention…
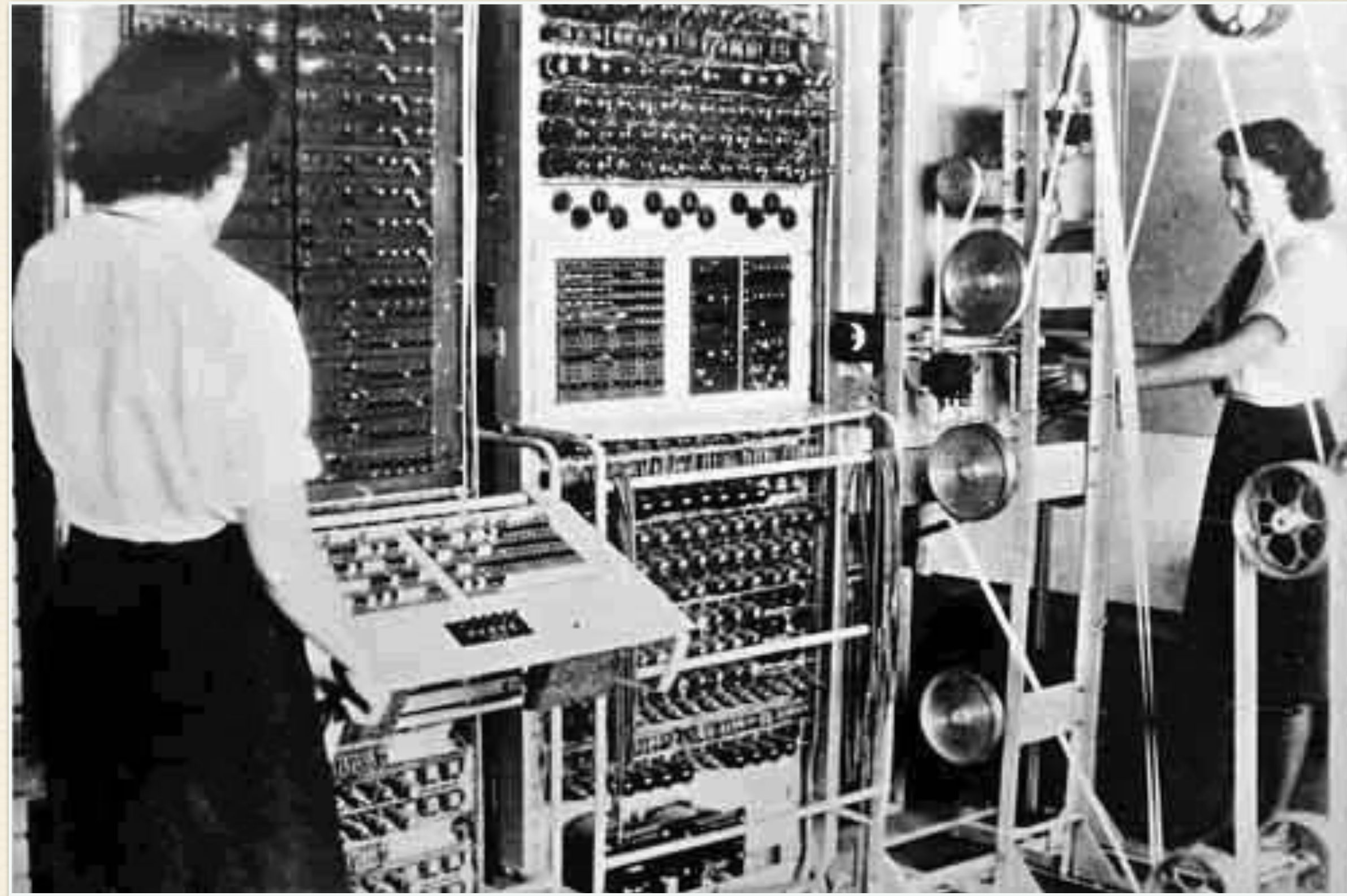
1944: Programmers hack on a Colossus Mk 2

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We invent tools…

Admiral Grace Hopper, invents the compiler.
And the nanosecond.

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People begin to specialise…
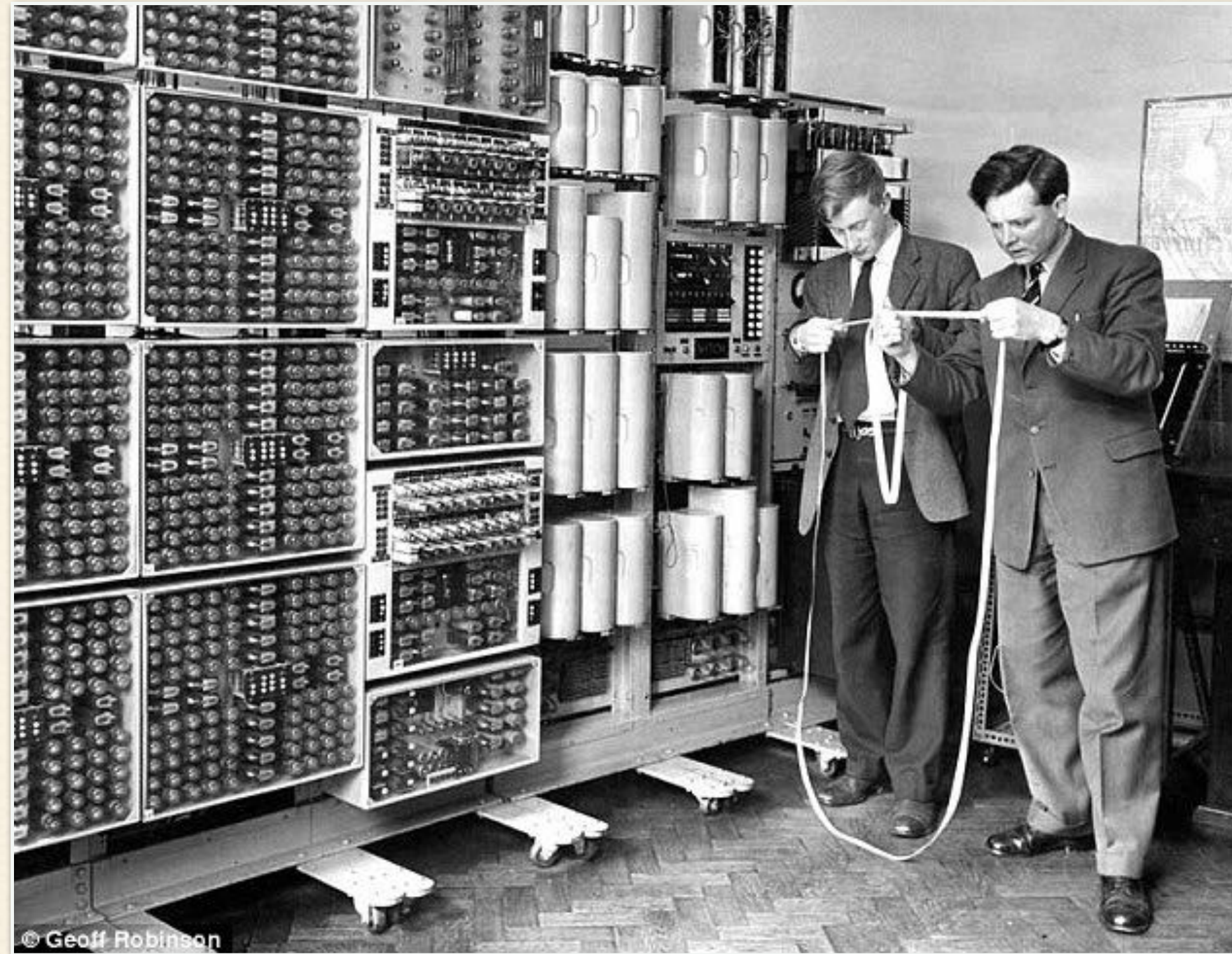
1960s: Debugging a "WITCH" mainframe in academia

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There are Commandments…

❖ You shall have a Business Requirements Document

❖ You shall have a Functional Specification

❖ You shall program in the manner of the Specification

❖ You shall have no other Specification before me

❖ Analysts shall analyse, Architects shall architect

❖ Programmers shall program, Testers shall test

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And more Commandments…

❖ You shall complete a Formal Change Request

❖ You shall provide Release Documentation

❖ You shall not release to Production yourself, lest you incur the wrath of the Release Manager

❖ You shall not hack on that which is in Production*

* more of a guideline really

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The New Testament

Then comes a new Covenant…

The Agile Manifesto

We are uncovering better ways…

Individuals and interactions *over* processes and tools

Working software *over* comprehensive documentation

Customer collaboration *over* contract negotiation

Responding to change *over* following a plan

2001: Programmers drafting the Agile Manifesto, Utah

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Revelation

Beyond Developer

I am

…a developer

…in a team

…building a product

…on a platform

…in a department

…in an organisation.

Beyond Developer

You are

…a developer

…in a team

…building a product

…on a platform

…in a department

…in an organisation.

…a developer

❖ learns the language

❖ learns the libraries

❖ monitors the alternatives

❖ learns the toolchain

❖ engages with the community

Beyond Developer

You are

…a developer

…in a team

…building a product

…on a platform

…in a department

…in an organisation.

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…in a team

- understands the process

- understands the roles

- collaborates with others

  …all the others!

- attends to the team's health

Beyond Developer

You are

...a developer

...in a team

...building a product

...on a platform

...in a department

...in an organisation.

…building a product

- ❖ understands the business objective

- ❖ studies the domain

- ❖ knows the stakeholders

  …all the stakeholders!

- ❖ contributes to the product

Beyond Developer

You are

…a developer

…in a team

…building a product

…on a platform

…in a department

…in an organisation.

…on a platform

❖ understands the technical landscape

❖ understands the path to production

❖ cares about runtime concerns

❖ values automation

  …*not* all the automation!

❖ contributes to the platform

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Beyond Developer

You are

…a developer

…in a team

…building a product

…on a platform

…in a department

…in an organisation.

…in a department

- ❖ understands the wider context

- ❖ makes local trade-offs

- ❖ shares their knowledge across teams

    …all their knowledge!

- ❖ contributes to the department

- ❖ influences across the organisation

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Beyond Developer

You are

…a developer

…in a team

…building a product

…on a platform

…in a department

…in an organisation.

…in an organisation.

❖ projects the organisation's values

❖ cares about organisation's reputation

❖ shares their knowledge externally

……*not* all their knowledge!

❖ contributes to the organisation

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Beyond Developer

You are

…a developer

…in a team

…building a product

…on a platform

…in a department

…in an organisation.

You are Beyond Developer

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"If you want to go fast, go alone.

If you want to go far, go together"

–African proverb

Thank you

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