

An Ageing Coder Tackles His Ageing Code

Owen Campbell

Blog: owencampbell.me.uk

Twitter: @opcampbell

Github: meatballs

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Outline

The Ageing Coder

The Ageing Code

The Way Forward

Conclusion

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Conclusion

Primary School



- ▶ 1 KB Memory
- ▶ No permanent storage
- ▶ Z80 Assembly Language

Primary School

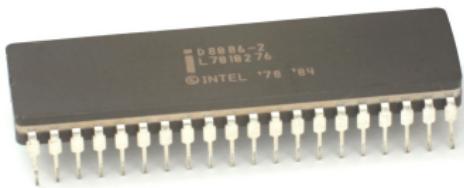


Secondary School

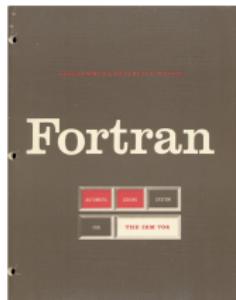


- ▶ 32 KB Memory
- ▶ Still no permanent storage
- ▶ BASIC

University



University



And the Rest...

- ▶ Lotus Approach
- ▶ Microsoft Access
- ▶ T-SQL
- ▶ PL/SQL
- ▶ PHP
- ▶ Perl
- ▶ Visual Basic
- ▶ Bash
- ▶ Java
- ▶ ASP
- ▶ C
- ▶ C#
- ▶ Ruby & Rails
- ▶ Python & Django
- ▶ Powershell

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System

- ▶ Accounting System



System

- ▶ Accounting System
- ▶ Lotus Approach



System

- ▶ Accounting System
- ▶ Lotus Approach
- ▶ Microsoft Access



System

- ▶ Accounting System
- ▶ Lotus Approach
- ▶ Microsoft Access
- ▶ Microsoft SQL Server + .NET client

Why Change?

- ▶ Server Licence costs

Why Change?

- ▶ Server Licence costs
- ▶ Windows development environment

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Frameworks

- ▶ Ruby & Rails



Frameworks

- ▶ Ruby & Rails
- ▶ Javascript & Node.js



Frameworks

- ▶ Ruby & Rails
- ▶ Javascript & Node.js
- ▶ Scala & Play



Frameworks

- ▶ Ruby & Rails
- ▶ Javascript & Node.js
- ▶ Scala & Play
- ▶ Python & Django



Design

- ▶ Postgresql Database
- ▶ Django Rest Framework
- ▶ Logic as Django/DRF code

Design

- ▶ Postgresql Database
- ▶ Django Rest Framework
- ▶ Logic as Django/DRF code
- ▶ AngularJS UI
- ▶ Coffeescript
- ▶ UI served separately

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Conclusion

- ▶ Modular Application

Conclusion

- ▶ Modular Application
- ▶ Entirely Open Source

Conclusion

- ▶ Modular Application
- ▶ Entirely Open Source
- ▶ Original Database Design

Thank You

- ▶ Blog: owencampbell.me.uk
- ▶ Twitter: [@opcampbell](https://twitter.com/opcampbell)
- ▶ Github: [meatballs](https://github.com/meatballs)
- ▶ Google+: [OwenCampbell1](https://plus.google.com/u/0/+OwenCampbell1)