

Ethics in Software Development: Time Traveler Edition

Back...from the future

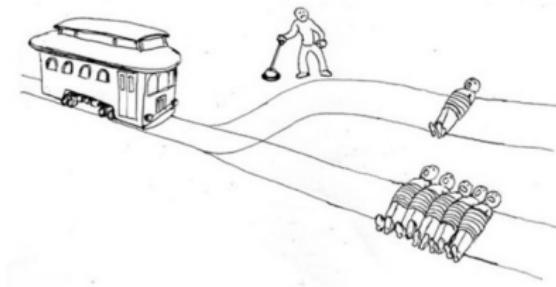
Moshe Zadka – <https://cobordism.com>

2019

Who am I

- ▶ Born: July 10th, 2258
- ▶ Certified Software Developer (passed exams Jan 22nd, 2287)
- ▶ No formal higher education

Ethic codes are hard choices



Ethics in 21st century: civil engineers

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- ▶ Example: Act as faithful agent
- ▶ Example: Issue true statements
- ▶ Example: Service with competence

Ethics in 21st century: lawyers

- ▶ Example: Confidentiality of information

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Ethics in 21st century: lawyers

- ▶ Example: Confidentiality of information
- ▶ Example: Competence
- ▶ Example: No counsel to criminal actions

Ethics in 21st century: doctors

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- ▶ Example: Commitment to medical education

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- ▶ Example: Responsibility to patient is paramount
- ▶ Example: Commitment to medical education
- ▶ Example: Report physicians engaging in fraud

The Incident



The Incident: Causes



The Incident: Consequences



The Incident: Aftermath



23rd century

It took a while...

OS Updates

- ▶ Signed
- ▶ Mandatory

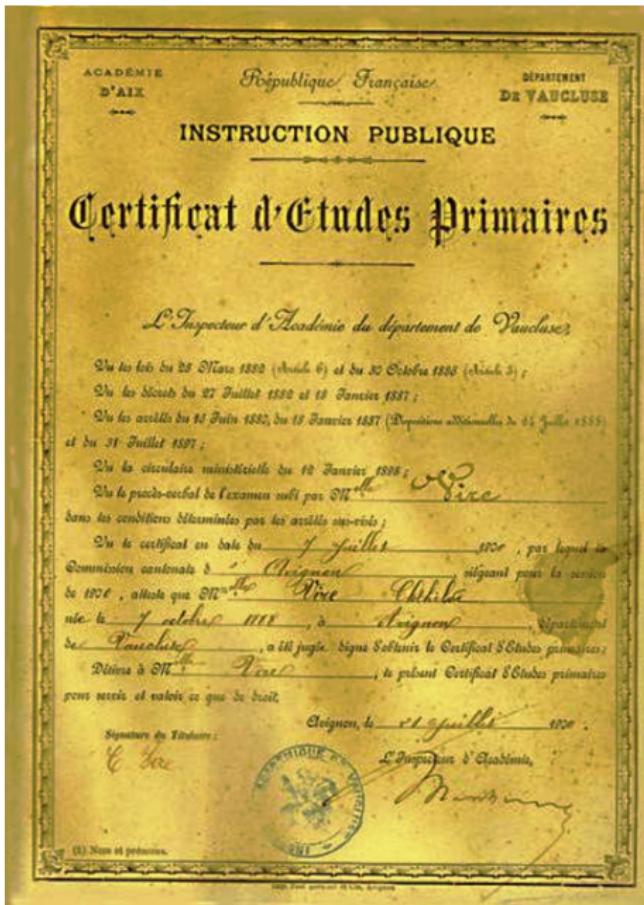
Application stores



Publishing on application stores

Software Development Studio is a legal category

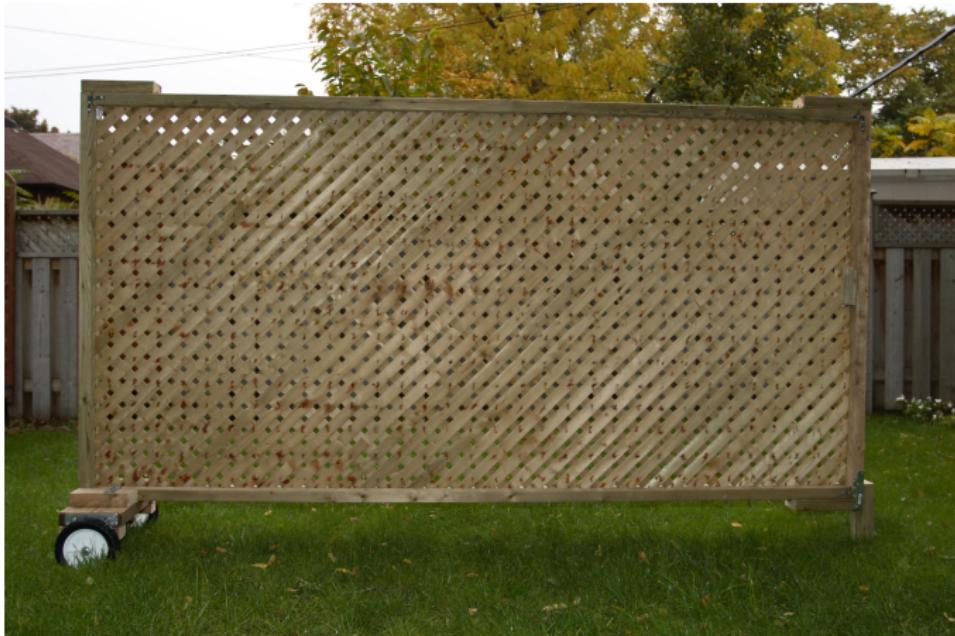
Certified software developers



Hobbyist coding



Privacy laws



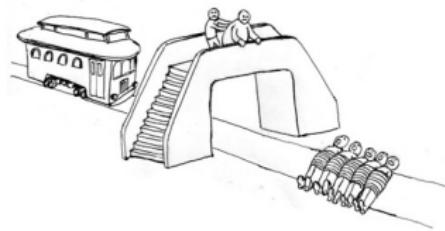
Security laws



Fairness in competition laws



Code of Ethics



Whistleblowing

Violations of law must be reported

Holistic understanding

Whence is the money?

Responsibility to principal

Except for violations of law, responsibility is to the development studio.

Commitment to competence

Know your limits

Process documentation

Document disagreements

Discrimination and harassment

Beyond employment law

21st century: Incidents

- ▶ Cambridge analytica
- ▶ Zoom
- ▶ Uber

If Not Now, When?

Can we change the timeline?