Brady Field

Professional Software Engineering: Fact or Fiction

and

Are Developers Morally Challenged?

**Important points**

“Leading organizations have known and used effective software development practices for decades, but the gap between average practice and best practice in software is enormous.” [73]

“The predominate form of education is software has been an undergraduate degree in computer science. Recently, progress has been made in defining undergraduate programs in software engineering.” [74]

“For most professions, education alone is not sufficient to develop full professional capabilities. Nascent professionals need practice applying their knowledge before they are prepared to take primary responsibility for performing work in their field.” [75]

“After completion of education and skills development, a professional must pass one or more exams that assure he or she has attained a minimum level of knowledge.” [75]

“Ongoing professional education maintains or improves workers’ knowledge and skills after they begin professional practice. Requirements for professional development tend to be strongest in professions that work with a rapidly changing body of technical knowledge.” [76]

“Each profession has a code of ethics to ensure that its practitioners behave responsibly. The code states not just what its practitioners actually do, but what they should do.” [77]

“Ethics are a personal code of behavior. They represent an ideal we strive toward because we presume that to achieve ethical behavior is appropriate, honorable, and desirable – both on a personal level and within the groups we belong to.” [107]

“Regardless of whose name is on their paycheck, programmers often view the programs they create as their own property.” [108]

**Disagreements**

“The most common approach to software development today is code-and-fix programming – hacking.” [73]

I would argue that most companies have a development process. Honestly, I don’t think a business could survive on a strict “code-and-fix” approach.

**Questions**

I have no questions. I understood everything in the article.