

The Fab Experience: What Intel Fabs can teach us about Software Development

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Abstract:

We aim to create high quality software. We also know the theory how to achieve it: write requirements; review the design; do unit test; follow prescribed process... all that good stuff that CMMI talks about and we hate. The stuff we feel stifles our ability to innovate.

On the other hand, Intel's fab world is an organization that constantly keeps a CMMI level 5 for Quality management, and at the same time is a thriving engineering community with amazing innovations and ample self-fulfillment.

Why does it work in the Fab? What can we adopt for software development?

This talk looks at the differences – and the possible parallels – between manufacturing and software development. It then proposes what can be leveraged from the manufacturing world to improve software quality.