



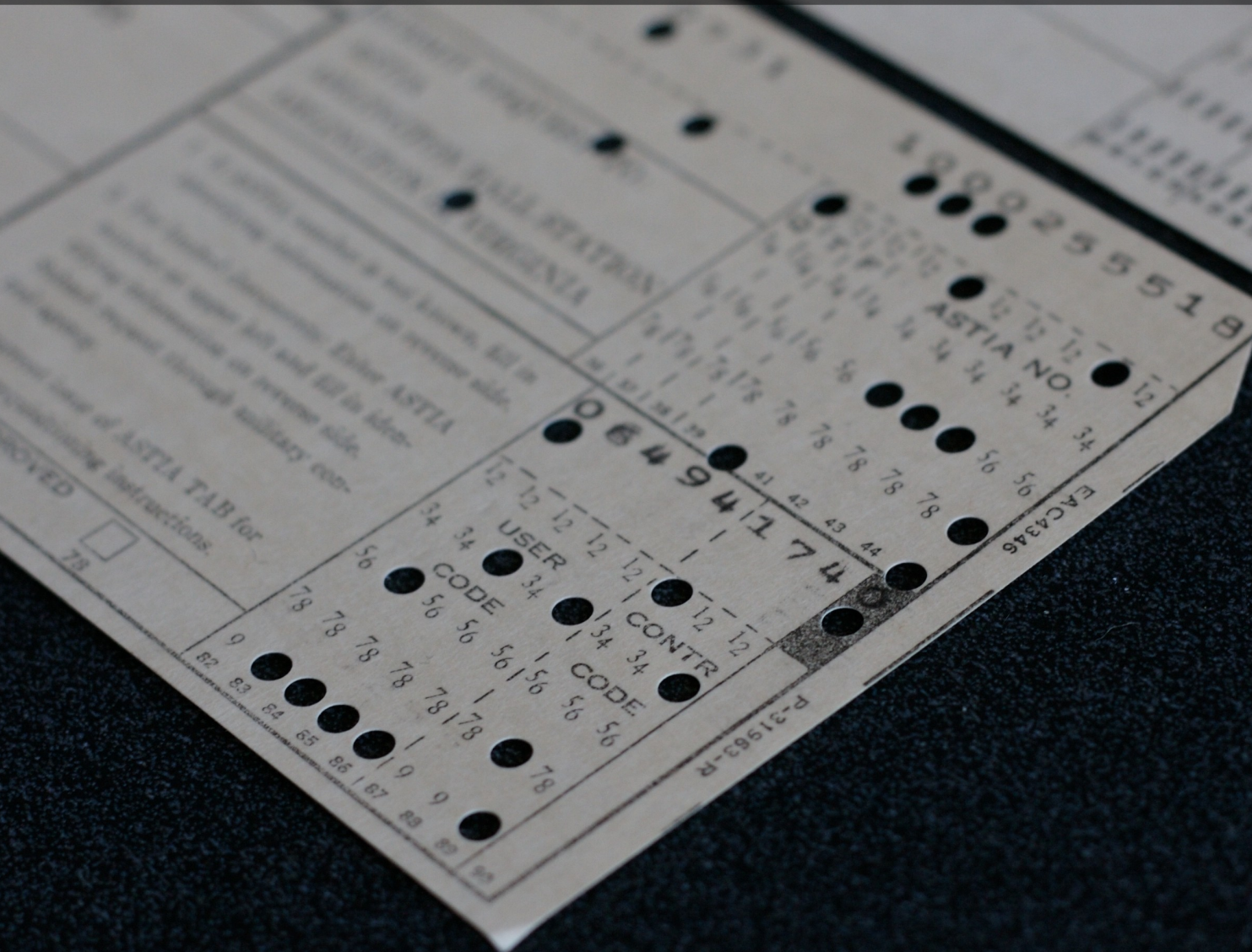
# Getting Serious About the Developer Experience

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FOSDEM • 2013



# Developer Experience





# Developer Experience

The way one feels about  
developing software for a  
given platform



# Developer's Hierarchy of Needs



**Project**

New Features

Exhaustive test suite

Working Build

Educational Resources

Dependencies

Build Tools

Operating System

Hardware

**Platform**





# Build Stability





# Buildability is critical



**Massive problem if  
developers need to build  
most dependencies (jbuild)**





**Maintainers need to *know*  
about build breaks**



# Functional Stability



**OSS license  $\neq$  magic QA dust**





**Being able to read the code  
is important but not  
sufficient**



# API and behavior stability



**Continuous testing is  
strictly required**





# Fix bugs by strengthening test suite



**Take advantage of OSS: add tests above and below your code in the stack**









# Completeness

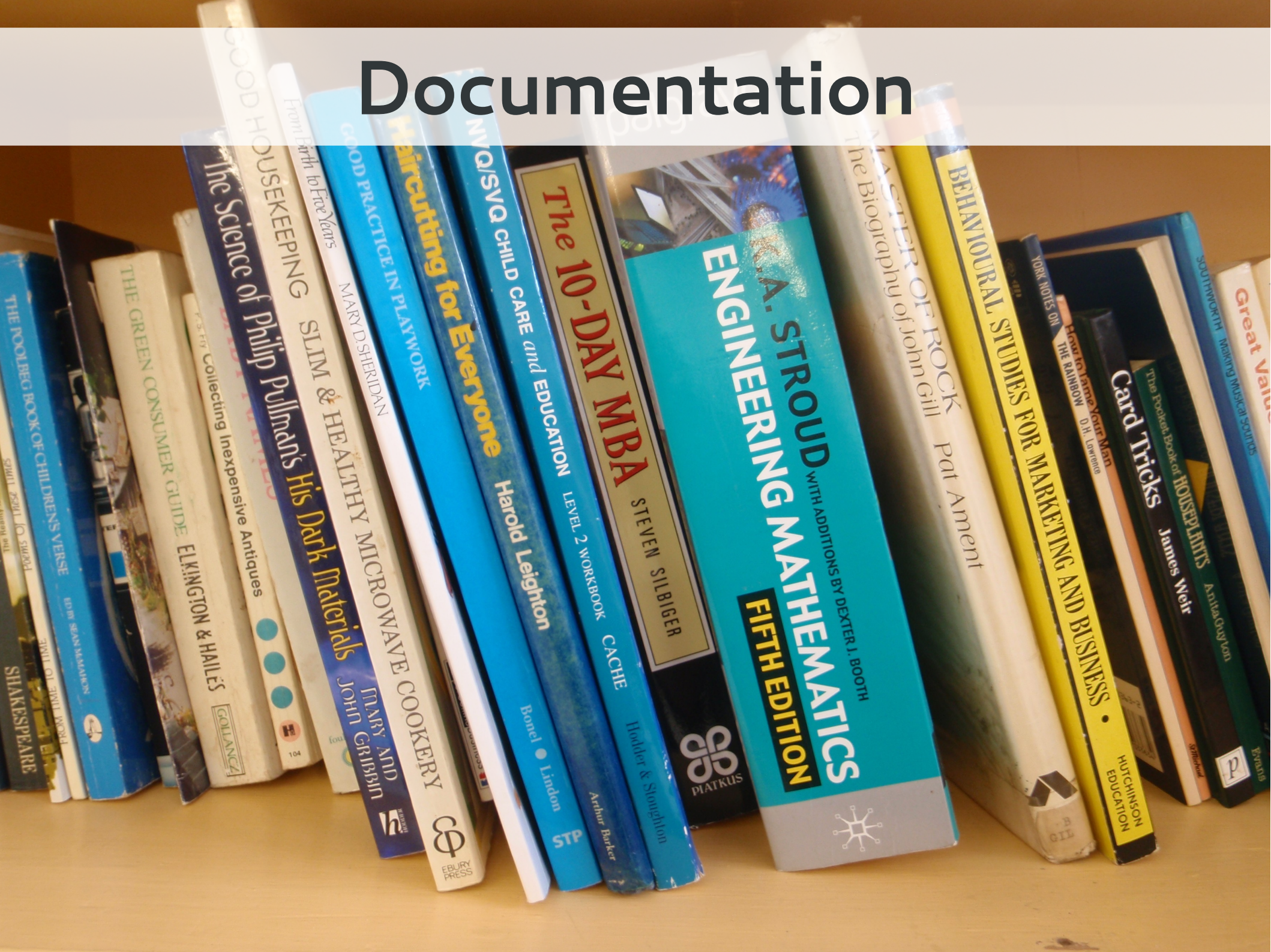


# Usability





# Documentation





# API and tutorial



# Question-and-answer sites / Interactive help



# Killer Complexity



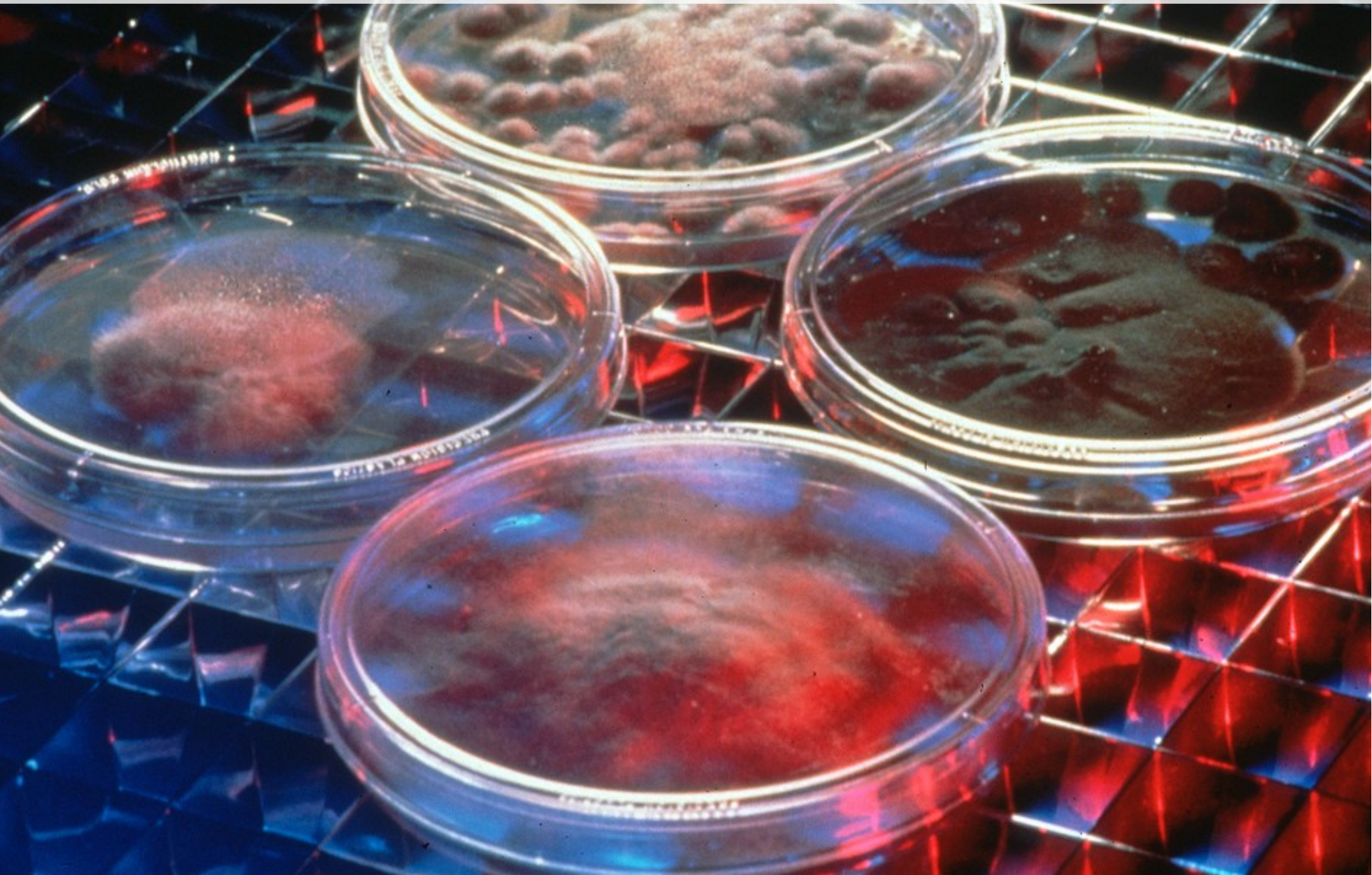


**Every option increases the  
support burden**





# Developer Culture



# Community reception of developers affects DX



**Hostility is a major barrier to  
development**



# Codes of Conduct





# The Future



**GNOME to make JavaScript  
our first fully-supported  
language**



# GNOME SDK





**Thank you!**



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