

Advanced Ruby and Rails **Track Intro**

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“Advanced”

Higher-level **features**

Higher-level **techniques**

Higher-level **tools**

Advanced
means
“lower-level”

Lower-level **work**
to achieve
higher-level **goals**





Ruby and Rails

Key characteristic for advanced development:
openness

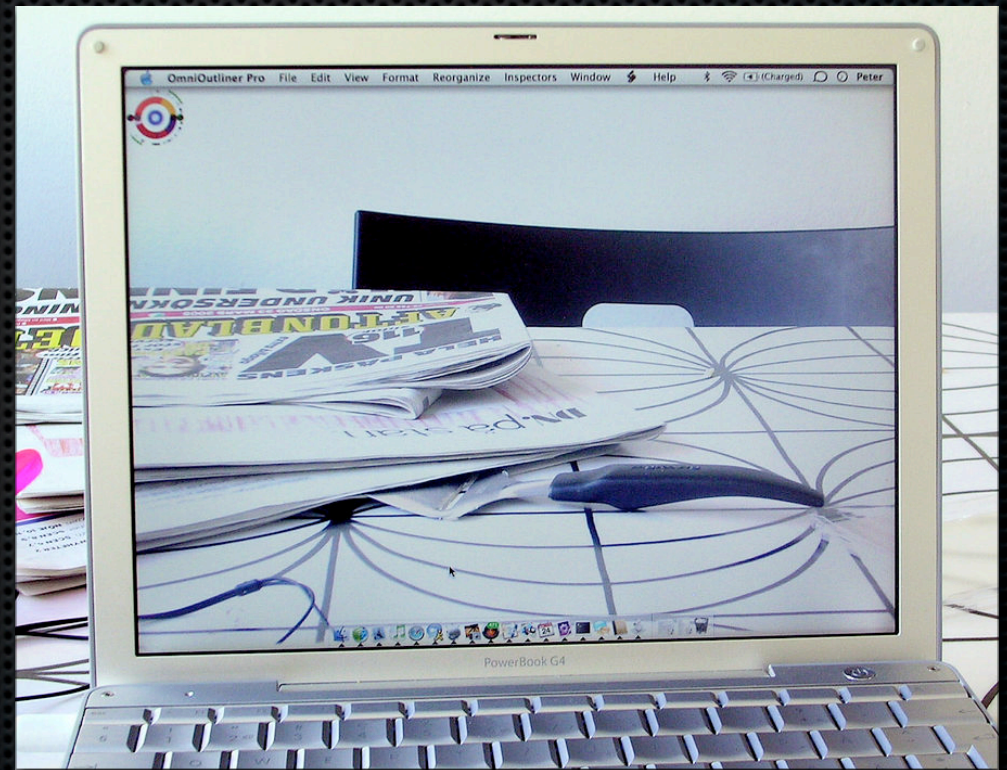
Photo by John Martinez Pavliga

Openness

Ability to **see**
how things work at
lower levels

Ability to **use**
lower-level facilities

Ability to **change**
how things work



Leaky Abstractions

The Law of Leaky Abstractions
is dragging us down.

—*Joel Spolsky*

Leaky Abstractions

Ring the bells that still can ring,
Forget your perfect offering.
There is a crack in everything—
That's how the light gets in.

—*Leonard Cohen*

Leaky Abstractions



Embrace imperfection.

Ruby's and Rails' abstractions leak **aggressively**.

Encapsulation boundaries **serve** you.

(they don't **restrict** you)

Onion-skin APIs

Peel as little or as
much as you like.





Encapsulate

Don't let the "advanced" pieces
complicate your entire system.

Photo by Art Bromage

Talks and Speakers

Versioning Your Data Model

Ole Friis Østergaard

Scaling That Rails App

Christian Amor Kvalheim

Rails Without ActiveRecord

Marius Mårnes Mathiesen

*Packaging Ruby Libraries
with RubyGems*

Nic Williams