

A blue Smurf character with a black hat and a yellow shirt is holding a yellow camera mounted on a yellow tripod. The scene is set against a dark background with a bright light source at the bottom, creating a lens flare effect.

FOSS and Photography

Beat Rubischon

Photo seller with federal qualification certificate

<https://fotistudio.ch/>



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hat die Lehre ab- / a terminé son apprentissage dans la profession de /
ha terminato il tirocinio di

Verkäufer
bei / chez / presso
Foto Bären Optik AG

Zürich

beendigt und die gesetzliche Lehrabschlussprüfung mit Erfolg bestanden.
et a subi avec succès l'examen de fin d'apprentissage.
e ha superato l'esame finale di tirocinio.

Ort und Datum / Lieu et date / Luogo et data
Zürich, 10. April 1990

Für die zuständige kantonale Behörde:
Pour l'autorité cantonale compétente:
Per l'autorità cantonale competente:

Kreiskommission Zürich
für Lehrabschlussprüfungen des Verkaufspersonals
1. und 2. Stufe
Der Präsident
Der Akteur:

Koni M. Baumgartner

SCHWEIZERISCHE EIDGENÖSSENSCHAFT
CONFÉDÉRATION SUISSE
CONFEDERAZIONE SVIZZERA

**Fähigkeitszeugnis
Certificat de capacité
Attestato di capacità**

Name Vorname / Nom Prénoms / Cognome Nome
ROBISCHON Beat

geboren / né(e) en / nato(a) nel
3. Februar 1971

heimatberechtigt in / originaire de / abitanti di
Zürich



FOSS Situation today



Push

- › Motivation: *I needed it, I built it, I share it*
- › Fame 🤔
- › We do not see any "open core" or commercially driven FOSS in photography
 - › ...except [CinePaint](#)



Pull

- › Vendors switched to patented ISOBMFF and HEIF formats
- › Shift from optically to digitally correction in lenses
- › Corona screwed up communities
 - › Developers have to work hard to get \$\$\$
 - › Students have to work hard to get Bologna Points
- › Commercial applications are far ahead and pretty cheap

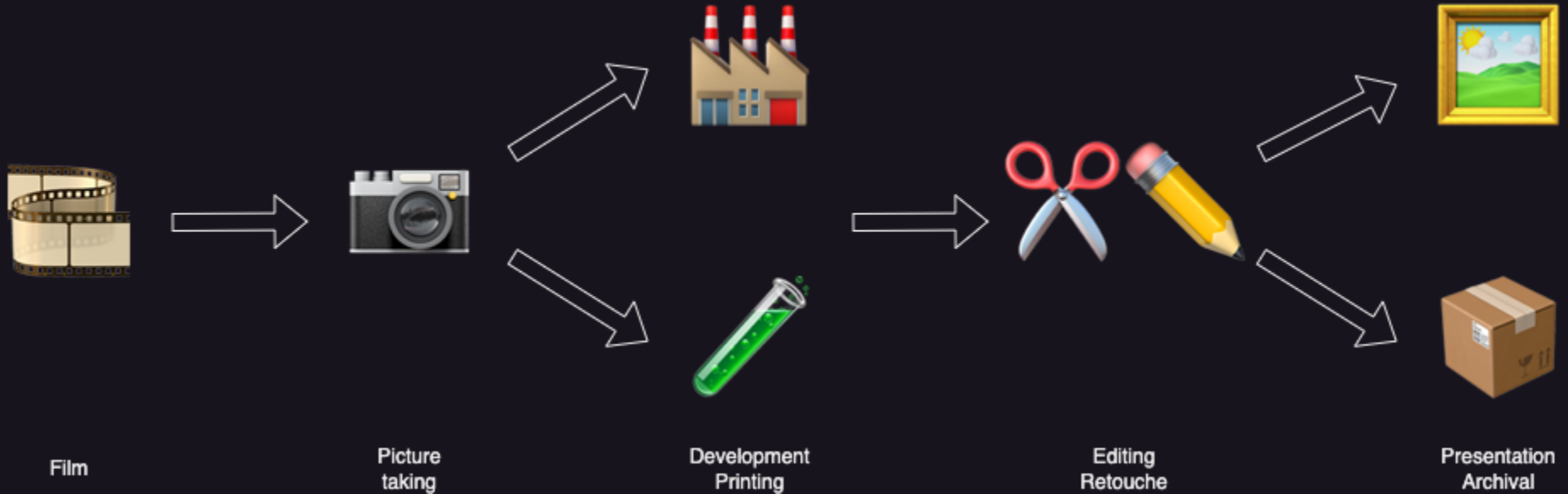




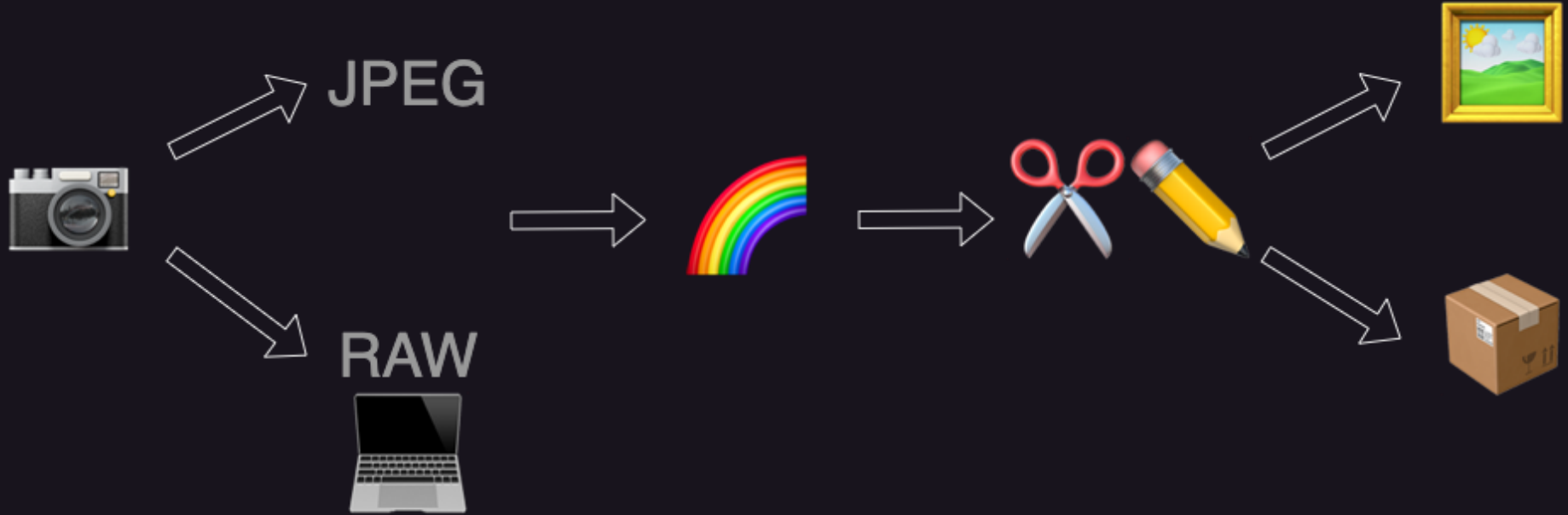
Workflows & Tools



A typical workflow in the silver film days



A typical workflow in the digital age



Picture
taking

Development

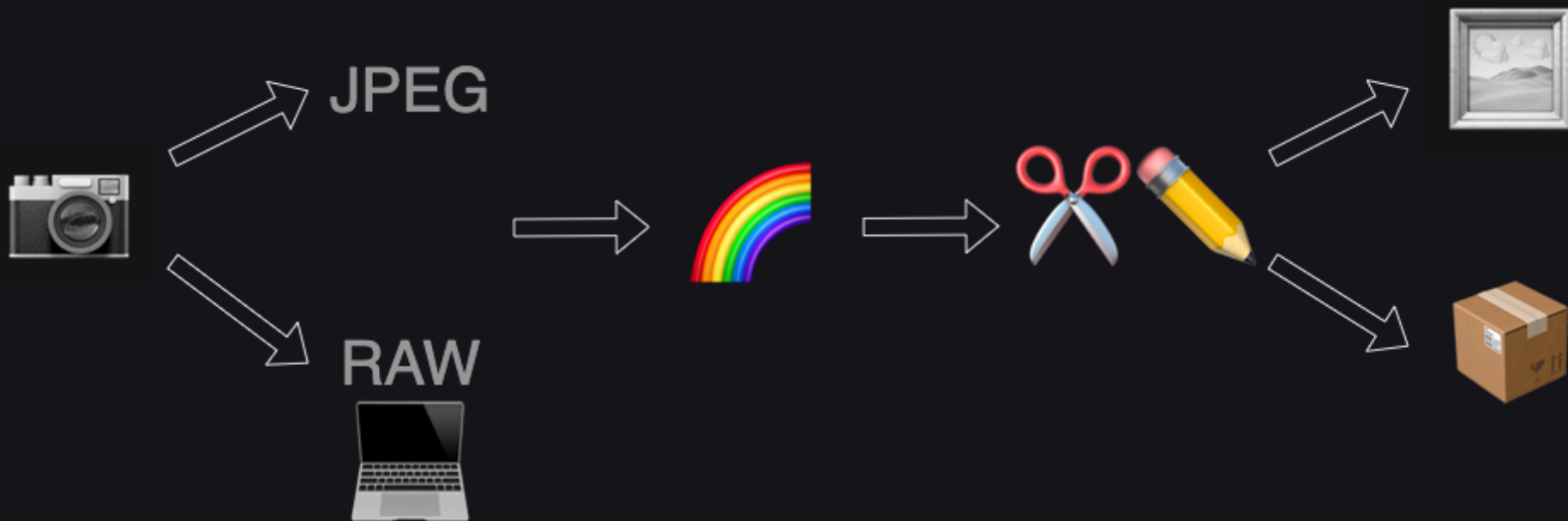
Grading

Editing
Retouche

Presentation
Archival



Place of FOSS tooling



Picture
taking

Development

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Editing
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Archival



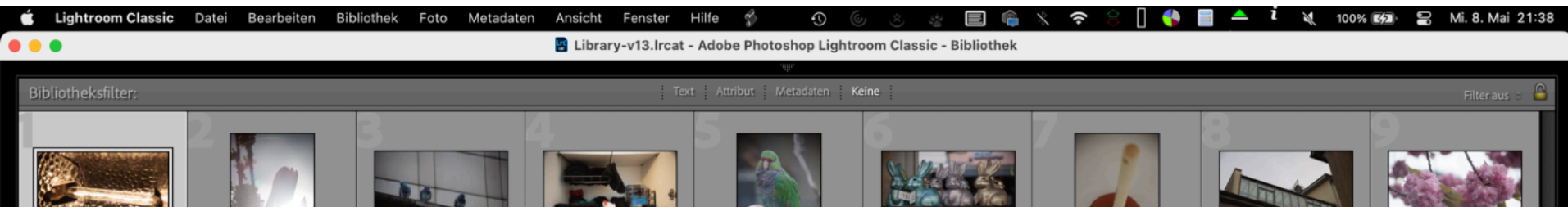
Camera firmware

- › FOSS: [Magic Lantern](#), [CHDK](#)
 - › Compute power in cameras exploded
 - › Driven by video
 - › No more reverse engineering since 2018



Development

- › FOSS: [Darktable](#), [RAW Therapee](#), some minor players
 - › Big improvements until early 2020
 - › Best option if you want to [learn how it works](#)
- › Proprietary: [Lightroom](#), [DXO Photo Lab](#), [Capture One](#), some minor players
 - › Big improvements between 2020 (post cloud) and 2022 (pre AI hype)



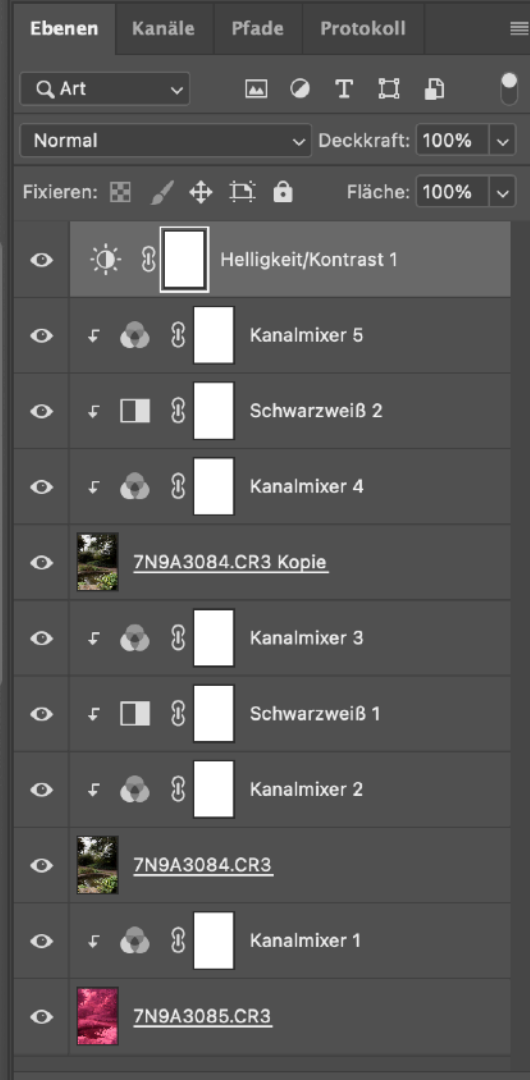
Color profiling & grading

- › Color profiling
 - › [Hacky like hell](#)
 - › Hint: Get proper profiles from [DNG Converter](#)
- › Grading
 - › Various commercial applications & profiles
 - › [HaldCLUT](#)
 - › DIY (it's fun they said)



Editing

- › FOSS: [The Gimp](#)
 - › Easy to start with
 - › Roughly 10+ years behind Photoshop
- › Proprietary: [Photoshop](#)
 - › A beast with >1200 tools for 12.- / month
- › FOSS: [ImageMagick](#)
 - › Hell and heaven at the same time 😊



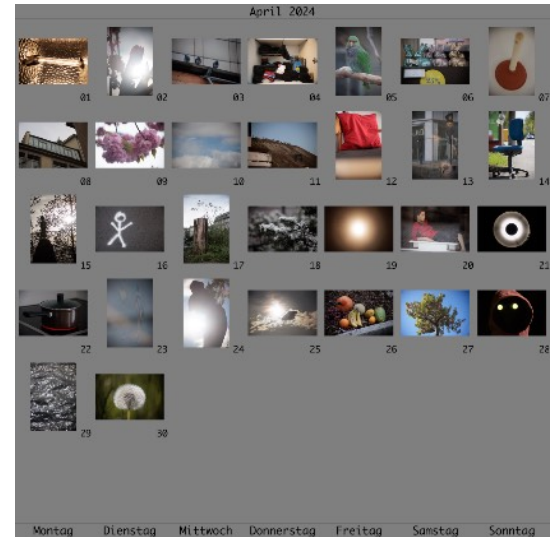
Printing 🦴

- › Most printers understand Air Print...
 - › ...but their firmware sucks
- › Upload to service provider
 - › [ifolor](#)
 - › [bookfactory](#)



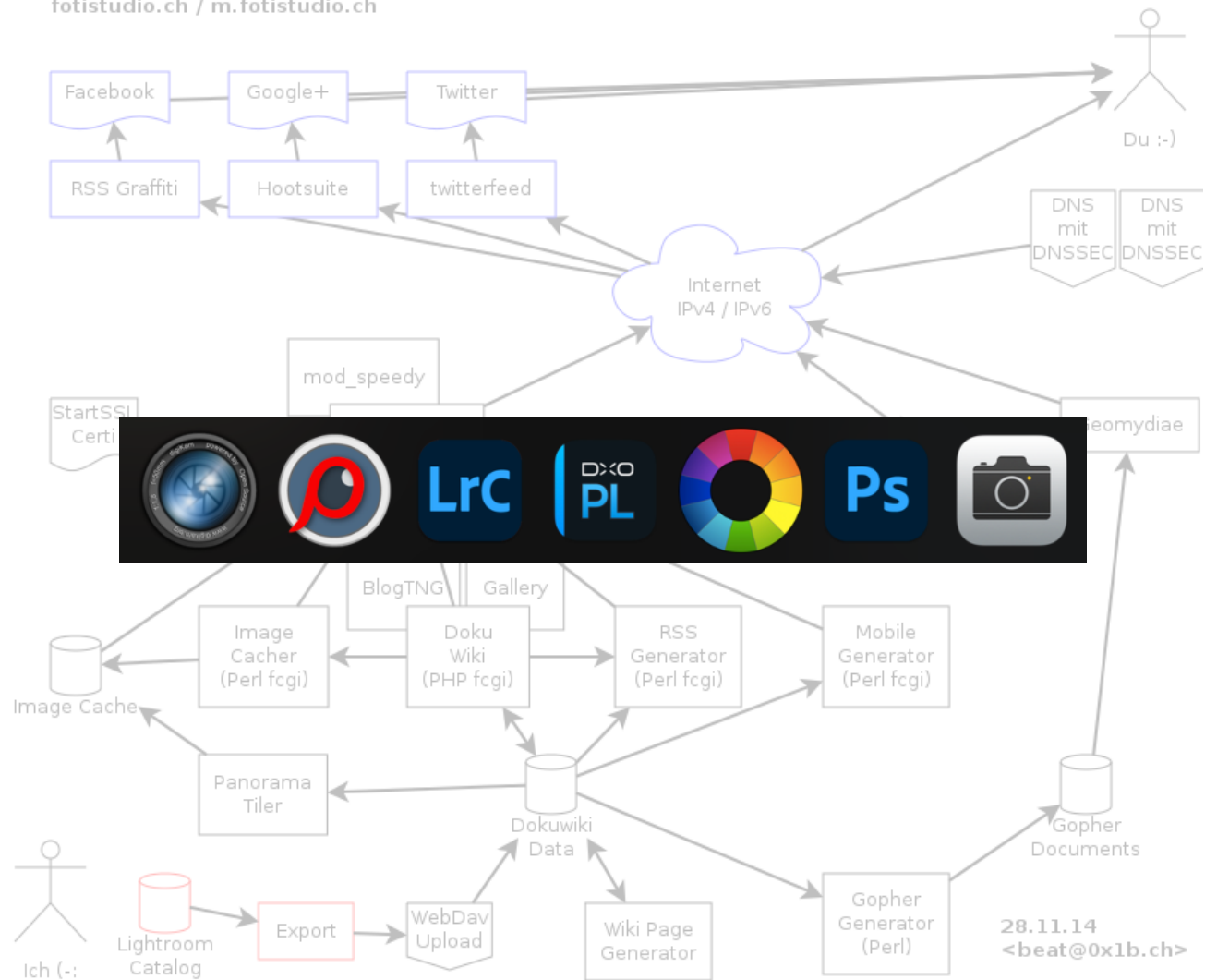
Archival

- › DIY: Messy directory structure (Don't do this!)
- › Most tools (FOSS and commercial) are cloud based 🙄
- › FOSS: [digiKam](#)
- › Proprietary: Too expensive to be considered



Personal workflow





28.11.14
<beat@0x1b.ch>



Stay in Touch



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