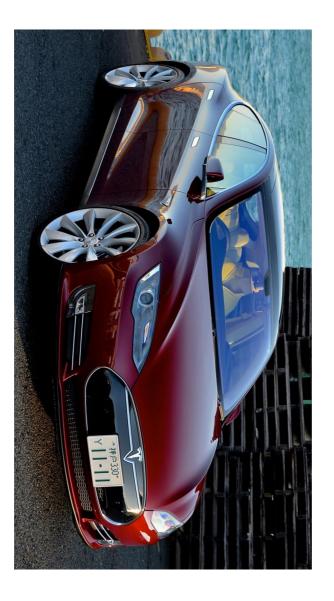
Creating a market for your tech

Kalle Raita

What's in common? What's different?





Who am I?

Kalle Raita

Business-to-business software industry operative, software engineer by training. Master's from Computer Science at TKK.

<earlier></earlier>	2001-2004	2005-2010		2010-2014	2014-2017	2018-
Hobbyist programming, gaming	Hybrid Graphics: Software Engineer	NVIDIA Helsinki: Systems Software Engineer	product definition of GPU test software	drawElements, CEO: CEO-ing, sales,	Google, Sr. Software Engineer: integrating drawElements tech	Curious AI, VP of Sales: defining AI tech products and selling them

The Stories

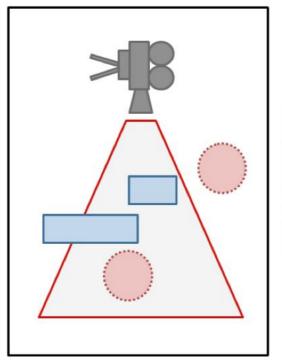
dPVS and sPVS

automatically detecting which objects are visible. This parts. Leads to prettier graphics. allows more compute resources to be spent in visible Technology to speed up game rendering by

visibility optimization not. Market for game developer tools existed, but for

Currently operates as company called Umbra. Serious traction when massive online games happened.





Mobile 3D Graphics



software rendered 3D graphics, because some at Nokia and Hybrid Graphics folks thought there was the future. Look at that beauty! Nokia 3410 from 2002. Small B&W screen. With

enabled handset vendors to check feature box for 3D graphics efficient rendering of 3D on the CPU. Pre-integrated, portable package Hybrid Graphics created a set of programming libraries that allowed

Mobile gaming has become a significant market. ecosystem of technology providers, device vendors, and content Multiple programming interface standards were developed to create an creators. 15 years later we have hardware accelerated 3D in all devices.

drawElements Quality Program

Year 2010. The mobile graphics market had matured drawElements Quality Program. a bit. A lot of SW depended on the graphics layer. There was no measure for the reliability before

assurance for tech providers like ARM, Qualcomm,... Successful productization of technical quality

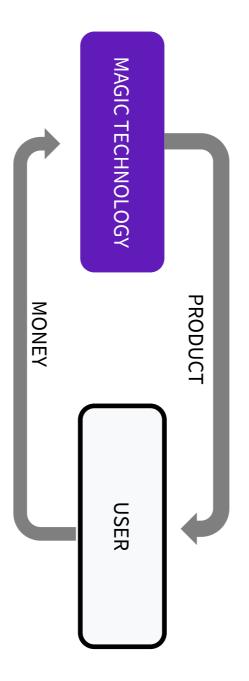
Standards defined a market for the product.

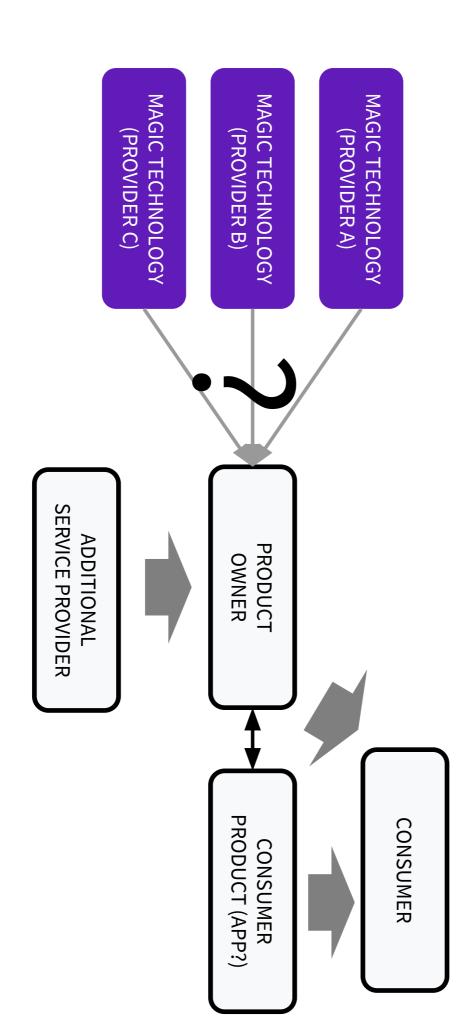
Android phone quality assurance Google acquired the technology in 2014 to bolster



maybe Lessons learned,

Ecosystem





Ecosystem

Pricing

How to decide on the price when you are opening a new market?

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cost. Worked great for drawElements. Likely to undercut alternative internal implementation (Implementing cost / minimum number of customers) plus profit margin.

Price of budget competition?

What's the closest thing to your product? Does it compete of the same budget at buyer?

Value created?

at the start of business relationship. Maybe circumventable with Proof-of-Concepts. Value created is very hard to argue with new tech. Pricing usually needs to be discussed

Sales & Marketing

How to define and reach target audience?

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Convincing customer may require try-before-you-buy

Careful with technical sales effort required. White papers, small samples help.

Prove the technical competence of the team

Partly to influence, partly to show of the technical competence & relevance. Both Hybrid and drawElements participated in relevant technical standardization.

Trade shows probably waste of time

For example, for me Mobile World Congress has been mostly a dudd. Get meetings pre-booked in connection of a major event.

Tha-tha-that's all, folks!

Image sources

https://fi.wikipedia.org/wiki/Mobira_Talkman#/media/File:Nokia_Talkman_(front).jpg, krystof.k, CC BY-SA 3.0

https://fi.wikipedia.org/wiki/Tesla_Model_S#/media/File:Tesla_Model_S_Japan_trimmed.jpg, derivative work: Mariordo , CC BY 2.0

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