Open Source
Key for Samsung S/W Innovation

Daniel Park, Ph.D.

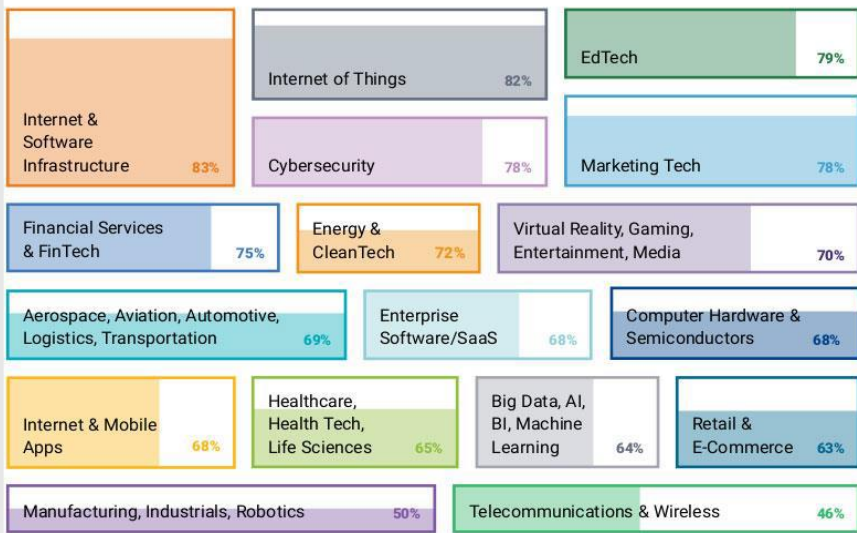Head of Samsung Open Source

soohong.park@samsung.com

http://opensource.samsung.com

Open Source is Everywhere

Industries represented in the 2020 OSSRA report
Percentage reflects amount of open source in codebases by industry

Category	%
Internet & Software Infrastructure	83%
Internet of Things	82%
EdTech	79%
Cybersecurity	78%
Marketing Tech	78%
Financial Services & FinTech	75%
Energy & CleanTech	72%
Virtual Reality, Gaming, Entertainment, Media	70%
Aerospace, Aviation, Automotive, Logistics, Transportation	69%
Enterprise Software/SaaS	68%
Computer Hardware & Semiconductors	68%
Internet & Mobile Apps	68%
Healthcare, Health Tech, Life Sciences	65%
Big Data, AI, BI, Machine Learning	64%
Retail & E-Commerce	63%
Manufacturing, Industrials, Robotics	50%
Telecommunications & Wireless	46%

Despite the pandemic and economic downturn, skills in open source continue to be in high demand among employers

81% of hiring managers say **hiring open source talent is a priority** for 2020, and they are more likely than ever to look for open source professionals who hold certifications.

93% of hiring managers report **difficulty finding sufficient talent with open source skills**, up from 87% in 2018.

56% of hiring managers **plan to increase their hiring of open source professionals** in the next six months compared to the last six months.
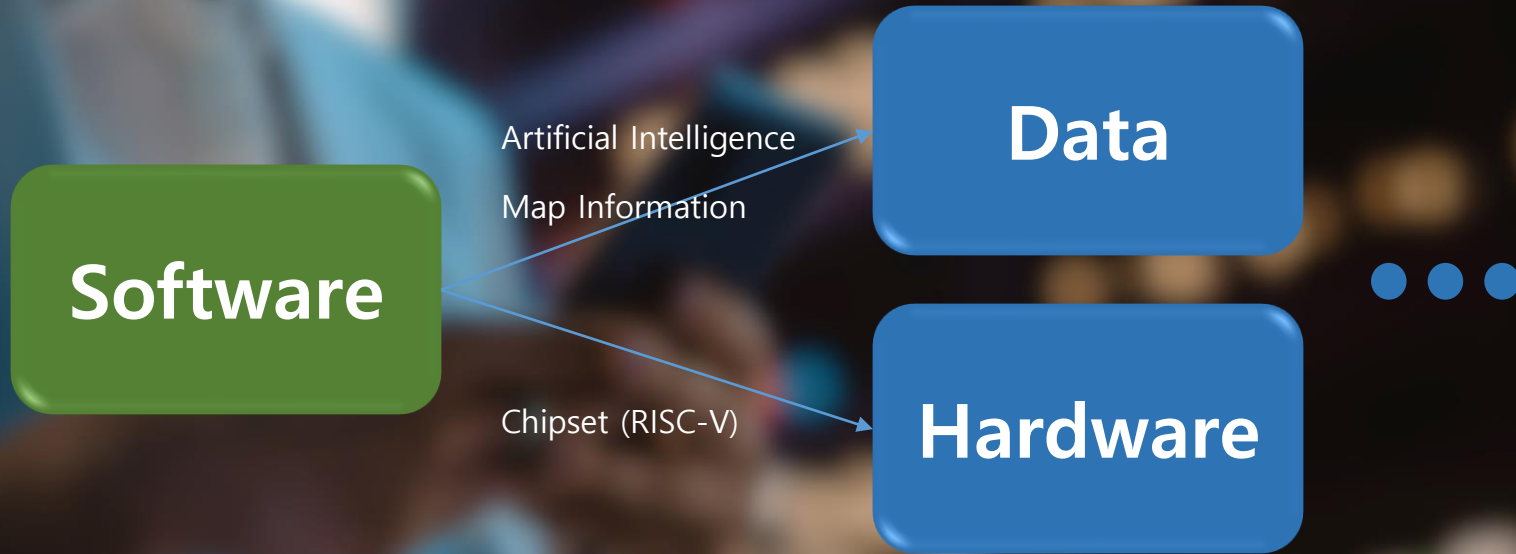
57% of employers report that **training existing employees to gain the necessary skills** is now the top tactic utilized in 2020.

57% of hiring managers stated that **hiring certified professionals is a priority**, up significantly from 47% in 2018.

Open Source beyond Software

Open Source == Open + Source

Defining of Open Source "AI"

open source initiative

01. Free Redistribution
02. Source Code
03. Derived Works
04. Integrity of The Author's Source Code
05. No Discrimination Against Persons or Groups
06. No Discrimination Against Fields of Endeavor
07. Distribution of License
08. License Must Not Be Specific to a Product
09. License Must Not Restrict Other Software
10. License Must Be Technology-Neutral

DEEP DIVE

DEFINING OPEN SOURCE AI

Open Source is Innovation

Samsung Journey in Open Source
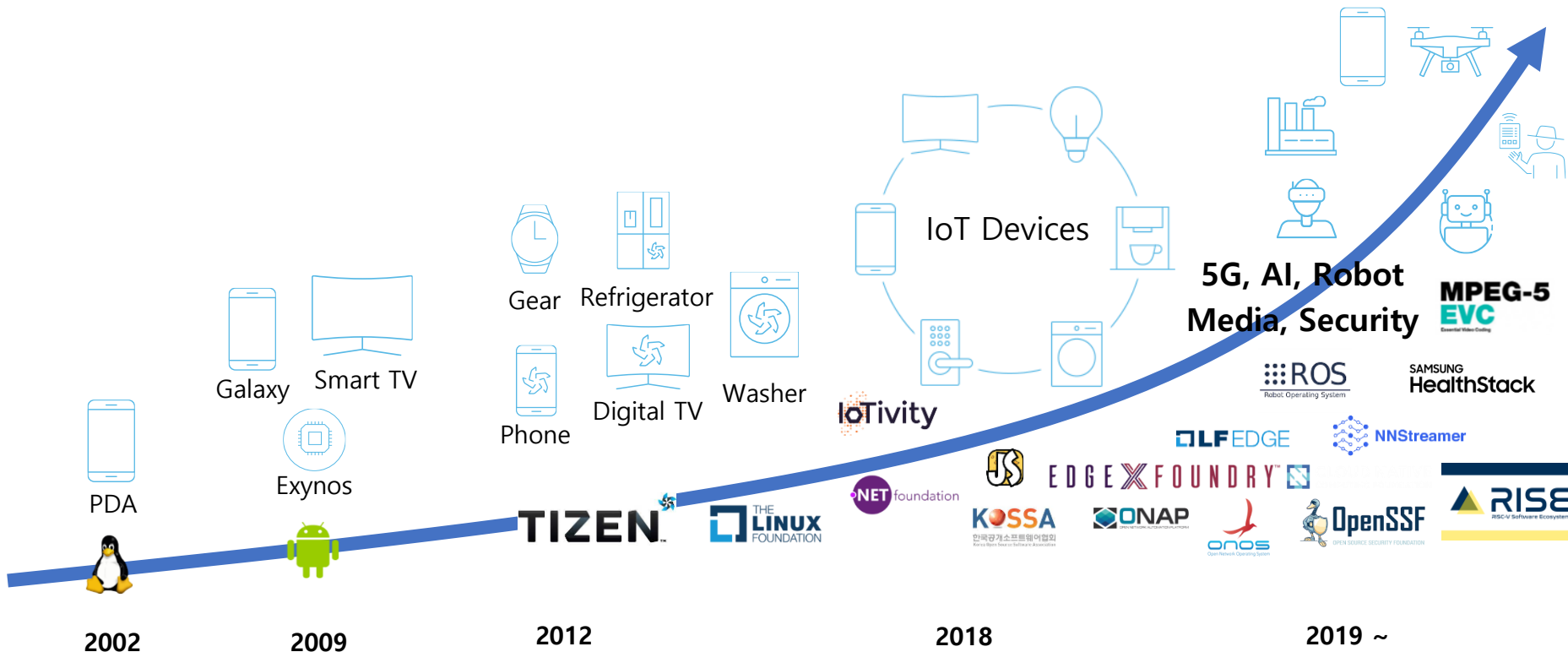
IoT Devices

5G, AI, Robot
Media, Security

MPEG-5 EVC

Gear Refrigerator

Galaxy Smart TV

Digital TV Washer

Phone

PDA Exynos

IoTivity

TIZEN

THE LINUX FOUNDATION

.NET foundation

ROS Robot Operating System

SAMSUNG HealthStack

LF EDGE

NNStreamer

EDGE X FOUNDRY

KOSSA 한국공개소프트웨어협회

ONAP

OpenSSF Open Source Security Foundation

RISE RISC-V Software Ecosystem

onos Open Network Operating System

2002   **2009**   **2012**   **2018**   **2019 ~**

About US (1/2)

About US (2/2)

[Maintainer/Committer of Samsung Core Projects]

Developer Community Collaboration

Samsung OSPO (Open Source Program Office)
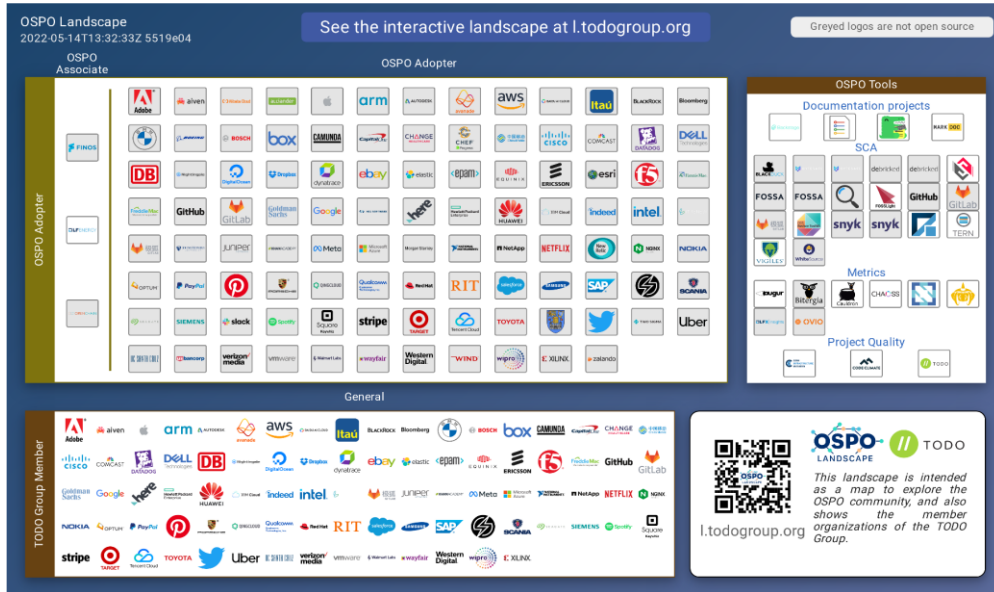
ISO/IEC 5230:2020 Certified, 2021.7.

Samsung Developer Relations

November 14~15
@Seoul

Openness and Collaboration

Thank You