Skill 2.0
in an era of Software 2.0

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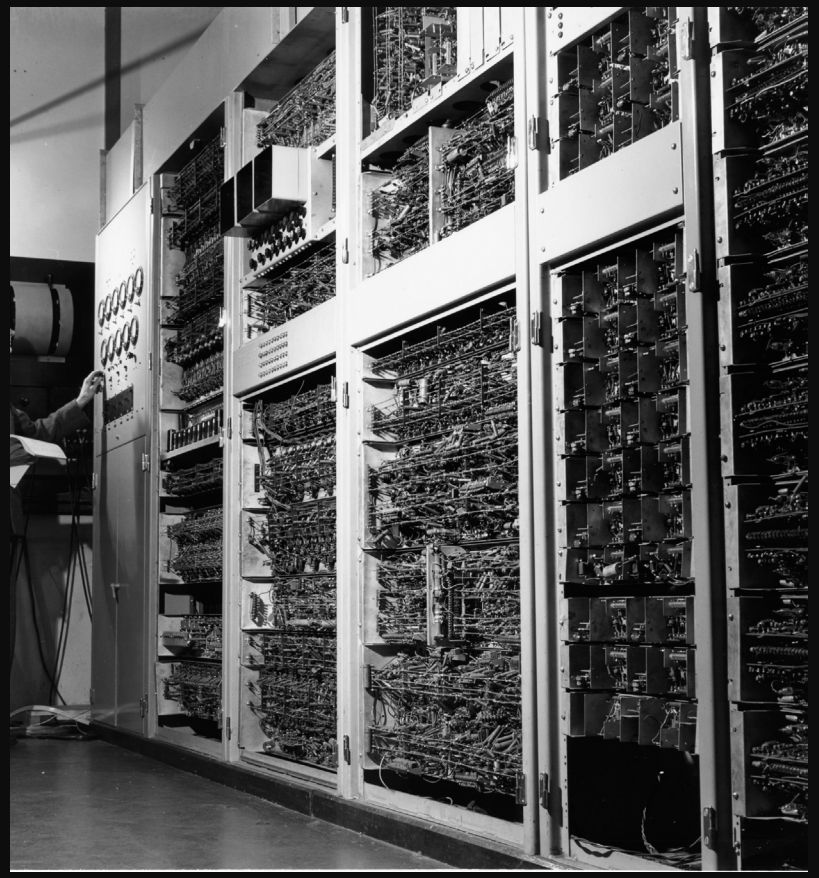
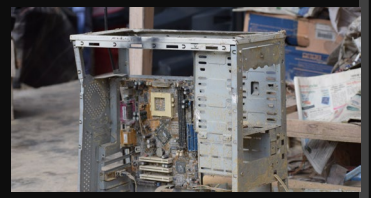
CIO Association of Canada



```
*****************************************************************
**           D A T A     D I V I S I O N                     ***
*****************************************************************
 Data Division.
 Working-Storage Section.
*****************************************************************
**  Declarations for the local date/time service.
*****************************************************************
 01   Feedback.
 COPY CEEIGZCT
  02   Fb-severity       PIC 9(4) Binary.
  02   Fb-detail         PIC X(10).
 77   Dest-output        PIC S9(9) Binary.
 77   Lildate            PIC S9(9) Binary.
 77   Lilsecs            COMP-2.
 77   Greg               PIC X(17).
*****************************************
**  Declarations for messages and pattern f
*****************************************
 01   Pattern.
  02                     PIC 9(4) Binary Value 45.
  02                     PIC X(45) Value
      "Today is Wwwwwwwwwwwwwz, Mmmmmmmmmz ZD, YYYY.".
```

Not long ago!



```
    03                     PIC X Occurs 1 to 80 times
                                 Depending on Stringlen.
```

Android Studio File Edit View Navigate Code Analyze Refactor Build Run
Welcome to Pyro.
How do you want to use our services?
As a party guest
As a host

<defs>
<linearGradient x1="100%" y1="0%" x2="0%" y2
<stop stop-color="#06101F" offset="0%"/>
<stop stop-color="#1D304B" offset="100%
</linearGradient>
</defs>
<rect width="800" height="450" rx="8" fill="url
</svg>

<svg width="96" height="96" viewBox="0 0 96 96"
<defs>
<linearGradient x1="87.565%" y1="15.87
<stop stop-color="#FFF" stop-opacity
<stop stop-color="#FFF" offset="100
</linearGradient>
<filter x="-500%" y="-500%" width="1000
<feOffset dy="16" in="SourceAlpha"
<feGaussianBlur stdDeviation="24"
<feColorMatrix values="0 0 0 0 0
</filter>
fill-rule="evenodd"
cx="48" cy="48"

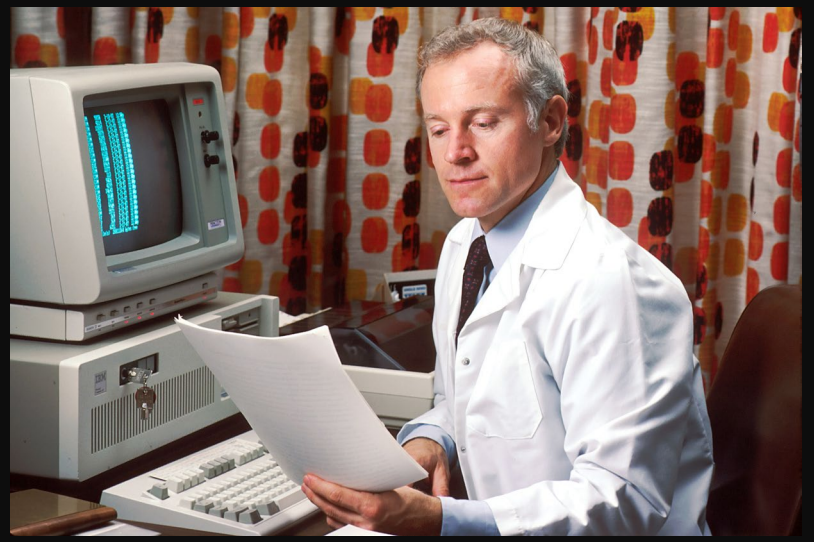
Today’s view

Welcome
tags.html.js
module.exports = (scope) => `
${scope.tags.map(tag => `
${(() => { tag.classes = (tag.classes || [])
.push(tag.name.matches('js') ? 'tag-blue' : "")
})()}
${tag.name}
`).join('')}</div>`;
article.html.js
module.exports = (scope) => `<article>
<header>
<h1>${scope.title}</h1>
</header>
${require('./tags.html.js')(scope)}

${scope.body}

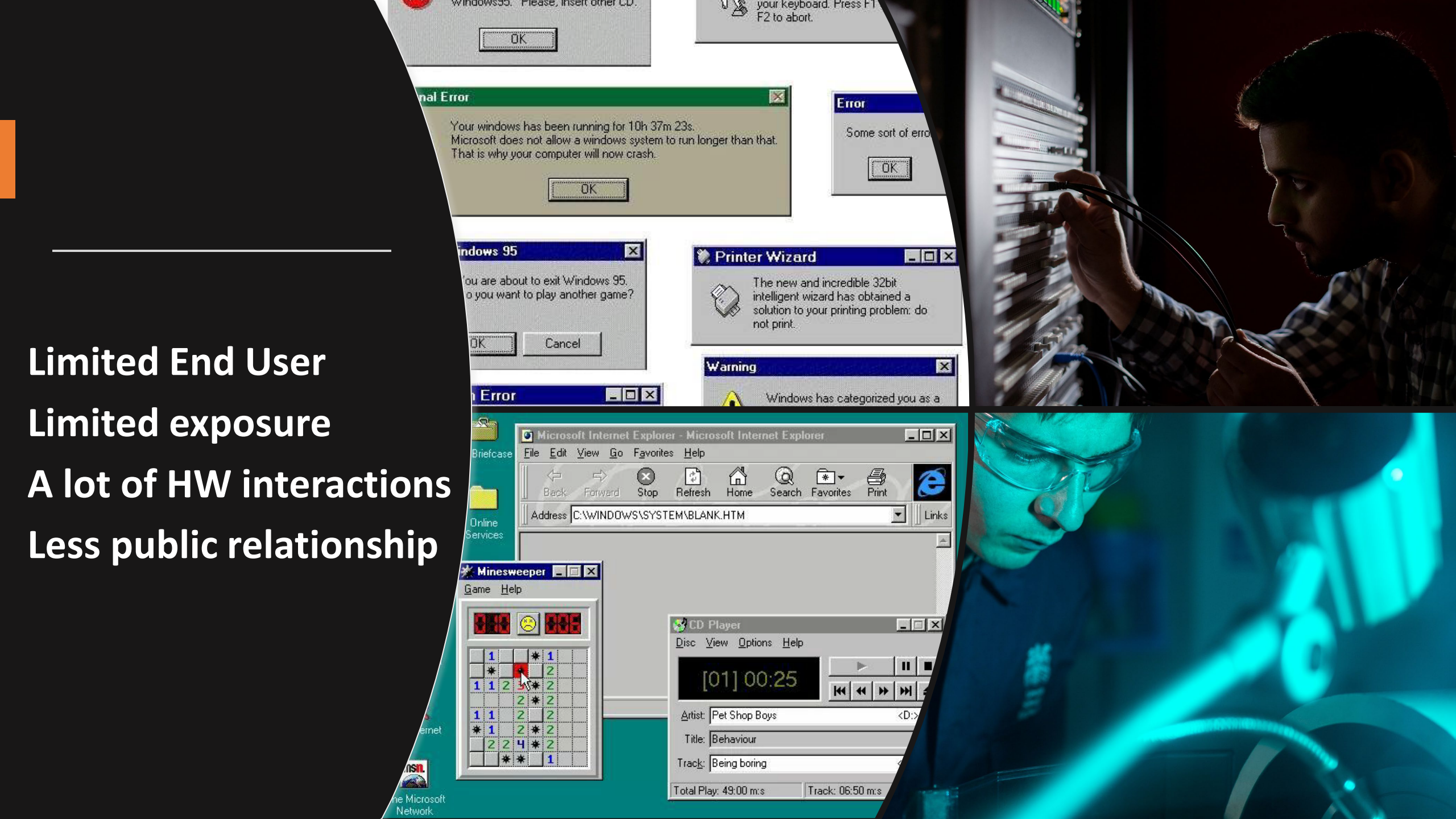
</article>`;
video.html.js
module.exports = (scope)

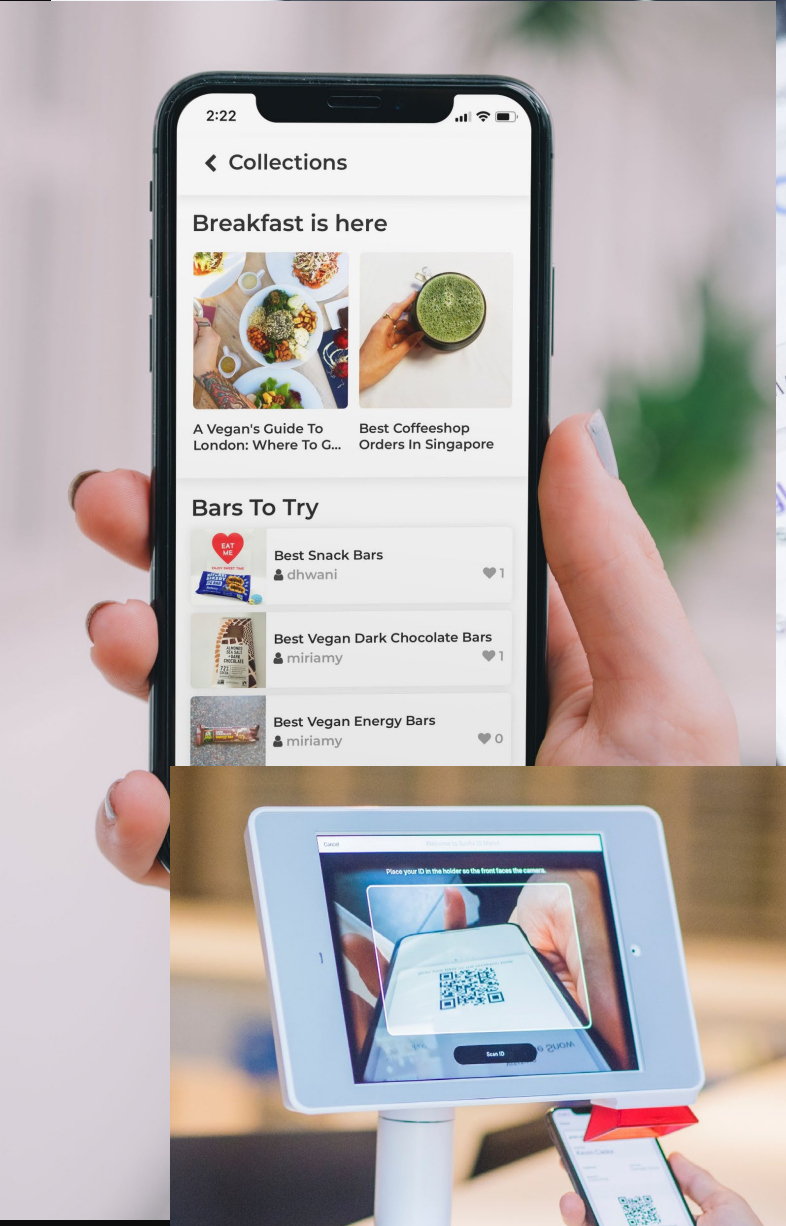
Our place of work “Then”

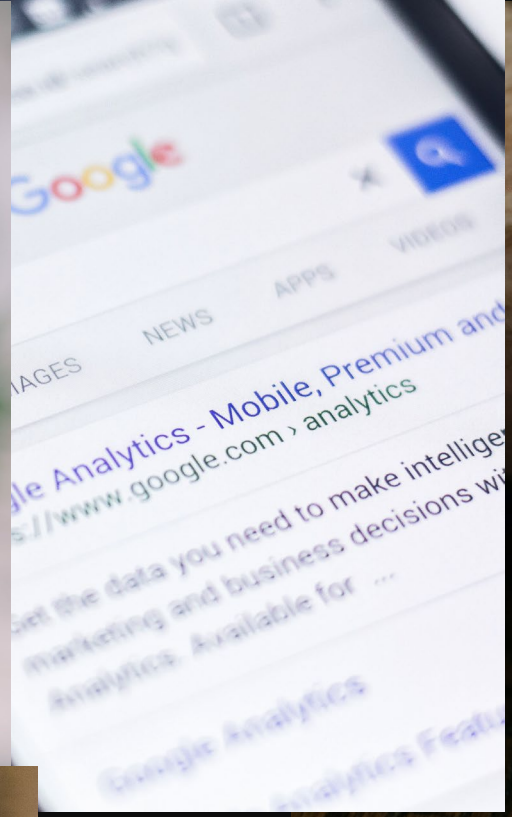


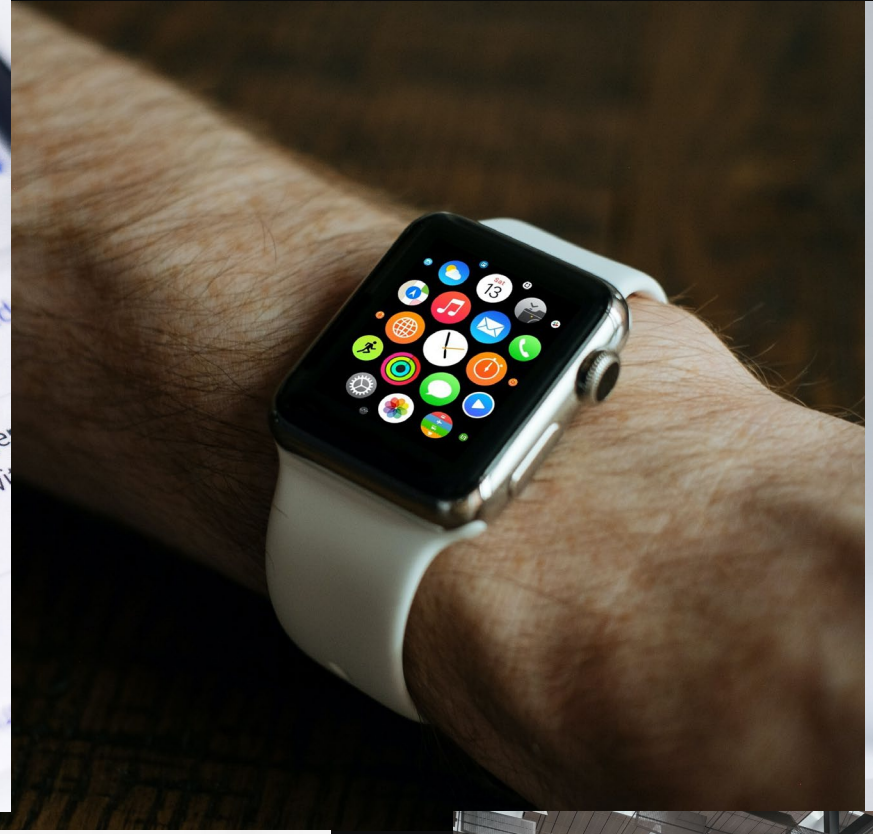
Our place of work “Now”

Limited End User
Limited exposure
A lot of HW interactions
Less public relationship

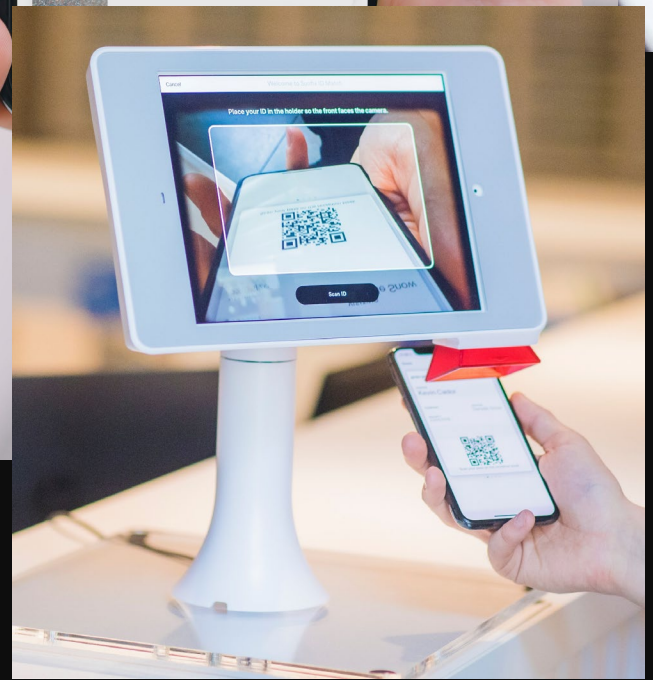


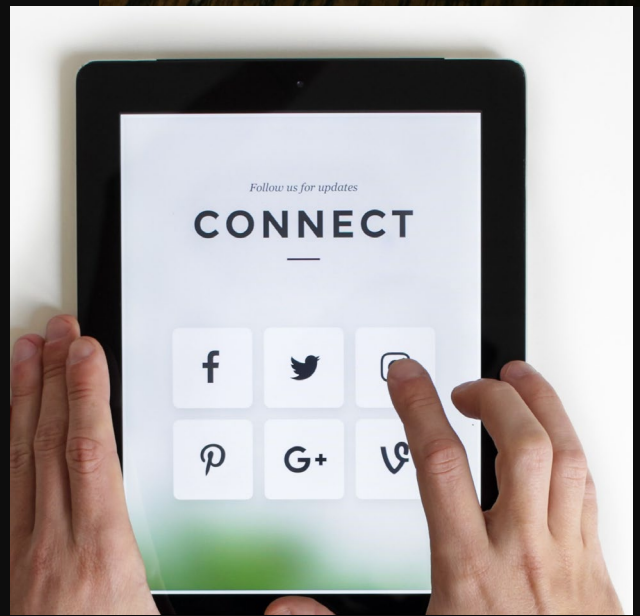

2:22
Collections
Breakfast is here
A Vegan's Guide To London: Where To G...
Best Coffeeshop Orders In Singapore
Bars To Try
Best Snack Bars
dhwani
1
Best Vegan Dark Chocolate Bars
miriamy
1
Best Vegan Energy Bars
miriamy
0


Google
NEWS
APPS
VIDEOS
Analytics - Mobile, Premium and
www.google.com › analytics



Order here
ORDER HERE

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CONNECT

Developer

Backend Developer

Frontend Developer

Principal Developer

SW Architect

Integration Architect

Dev/Ops Engineer

Data Base Administrator

Data Base Architect

Data Analyst

Big Data Engineer

Business Intelligence developer

Web Developer

Mobile Developer

Native Developer

Project Manager

Programmer Analyst

QA

Scrum Master

Hacker

Machine Learning specialist

Network Designer

React Developer

Full Satch Developer

Cyber Security Specialist

Information security

Business Analyst

Solution Architect

Product Owner

Graphic Designer

UX Architect

Release Manager

Robotic Scientist

AI Engineer

Generative AI Specialist

Network Admin

Many things have changed!

But many others haven’t

Principals have not changed... ***but scaled up***

SW development characteristics

- Scalable and lite
- Sustainable
- Secure

Decision Making

- Fact check
- Risk assessment
- Impact assessment

Crisis Management

- Stop the spread
- Address highest impact first
- Find the root cause, fix it
- Communicate

Team Leadership

- Help the team to be the best version of themselves
- Help the team to mature

Principals have not changed... ***but scaled up and evolved***

SW development characteristics

- Scalable and lite
- Sustainable
- Secure
- Self-detecting code
- Self-healing code
- Frequency of Releases

Crisis Management

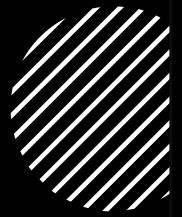
- Stop the spread
- Address highest impact first
- Find the root cause, fix it
- Communicate
- New types of crisis emerged

Decision Making

- Fact check
- Risk assessment
- Impact assessment
- Increase sources for fact check

Team Leadership

- Help the team to be the best version of themselves
- Help the team to mature
- Global talent management
- Work/Life
- Team motivation and retention



Toolkit for CTO/CIO/CTDO/CDIO

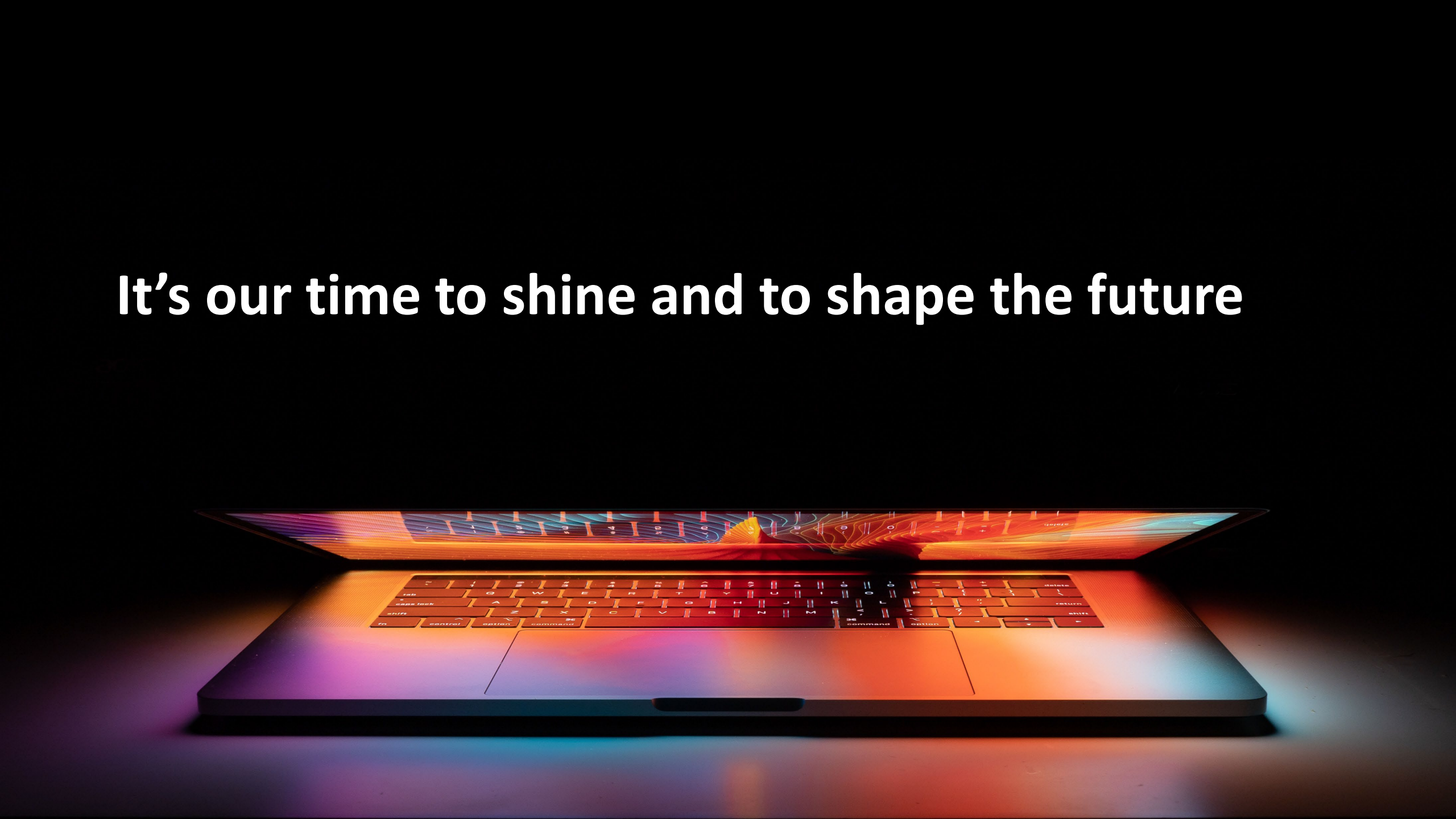
or whomever that is the ultimate decision maker for Technology

- It’s ok to purchase; you will have time to build your bread and butter more efficiently
- As your team grows build a sustaining team
- Learn the business … Technology “Is” the business, you need to be at the table
- Don’t look at Technology *only* as an “enabler”, what we do, is the “growth engine”
- Practice adaptability
- Believe in “continuous improvements”, teach it, live it.
- Spend time with real customer… be an end user
- Learn about generations before and after yourself and what inspires them

Toolkit for CTO/CIO/CTDO/CDIO

or whomever that is the ultimate decision maker for Technology

It is Always about the Technologists

because with the right Technologists always comes the right Technology

It’s our time to shine and to shape the future