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"The socio-technicality of digital societies"

Re Thinking The Developer's Role In Securing Our Digital Future

The New Artisans

Andy Knapp: VP International, Secure Code Warrior

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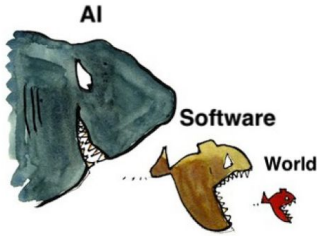
Software Is Ubiquitous



"Software is eating the world"
Andreessen Horowitz, HP (2011)

"Software is eating the world, but AI is going to eat software"
Jensen Huang, Nvidia CEO (2017)

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Developers Intersect Almost Every Aspect Of Our Lives.

“.....software will also become more accessible to everyone, and in many cases experience or baseline knowledge in this area will be a necessary skill set for many jobs where it isn’t required today,”

Christian Beedgen, co-founder and CTO at Sumo Logic.

Developers. The New Artisans.

Millions of developers that don't work for you wrote your code.

Poor code is exposing organizations, supply chains and countries to increasing threats and costs.

It is getting bigger...

69% **INCREASE in Cyber Attacks**
Despite ever-increasing application security budgets, testing platforms, tools and penetration test.

Source: Akamai Q3 State of the Internet Security Report

It is not going away...

#1 OWASP Top 10 Web App security risk is **more than 20 years old!**

Source: OWASP Top 10

1/4 of all data breaches last year were caused by human error

Source: NTT Ltd.'s '2020 Global Network Insights Report'

It costs a lot...

$3.9M USD average total cost of a data breach

Source: 2020 Cost of a Data Breach report from the Ponemon Institute and IBM

“We all think we are better drivers than we are”

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Education & Ownership

There's No Universally Recognised Accreditation In Secure Coding.

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If You Don't Train Them.
Don't Blame Them.

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Developers Don’t “Own” Security.

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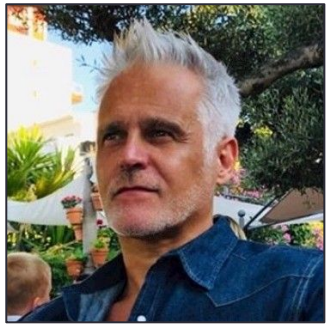
Make It Tangible & Create Career Value

From Scooter Through To Commercial Pilot Licence

Make It Fun



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At School, University and At Work

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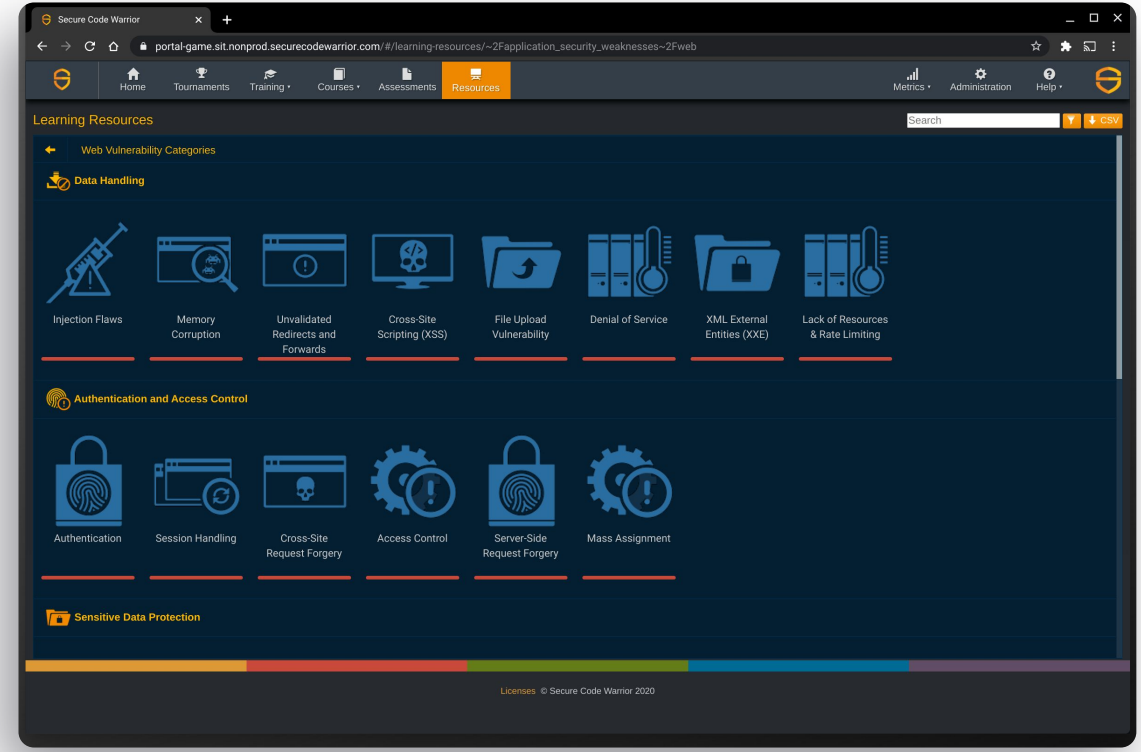
Master The Craft



Securely

Create

Contribute

Consume

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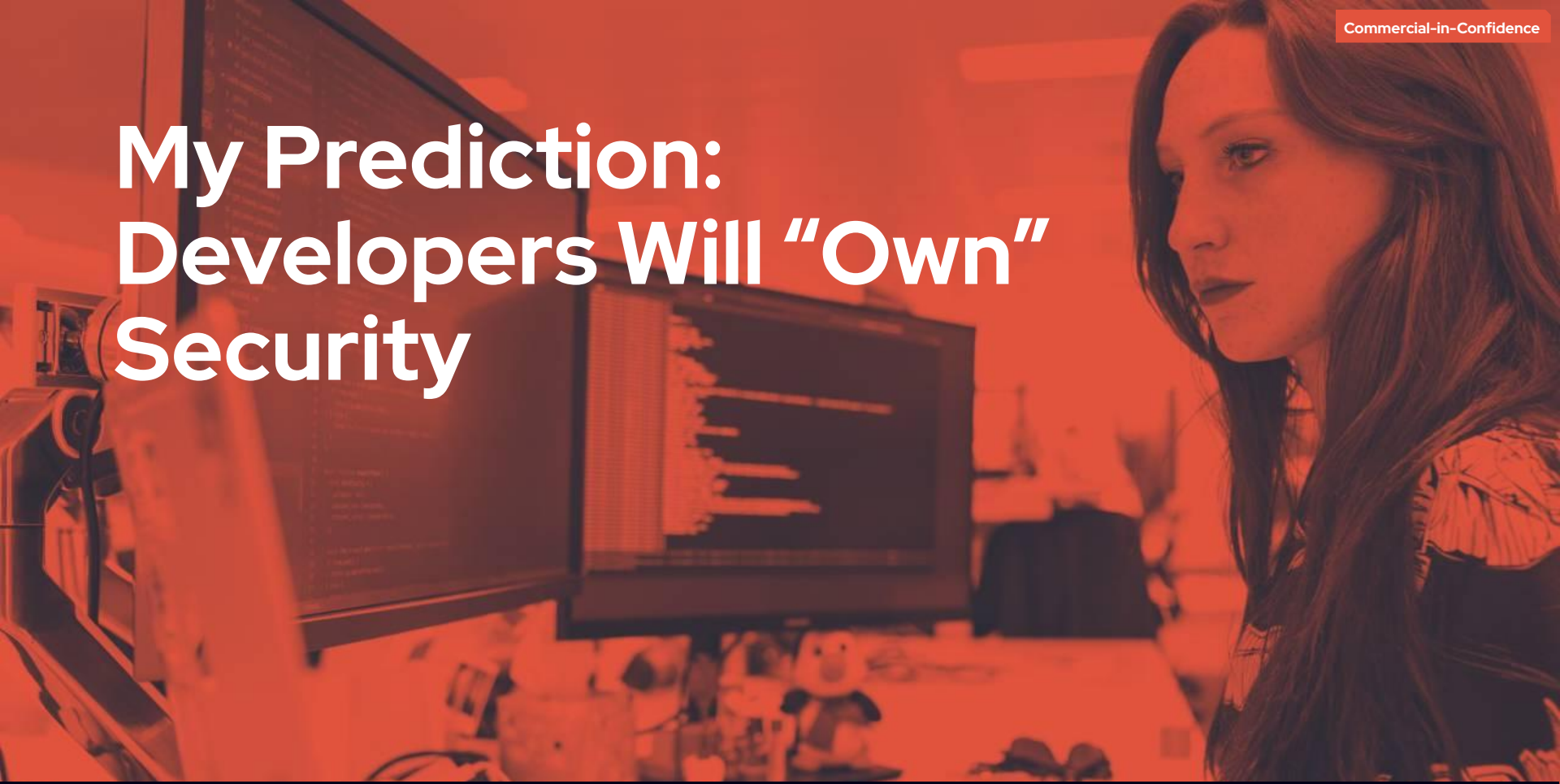
My Prediction: Developers Will "Own" Security



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Let's Create Career Value For Developers Who Can Code Securely