Follow us on https://kodekloud.com/ to learn more about us.

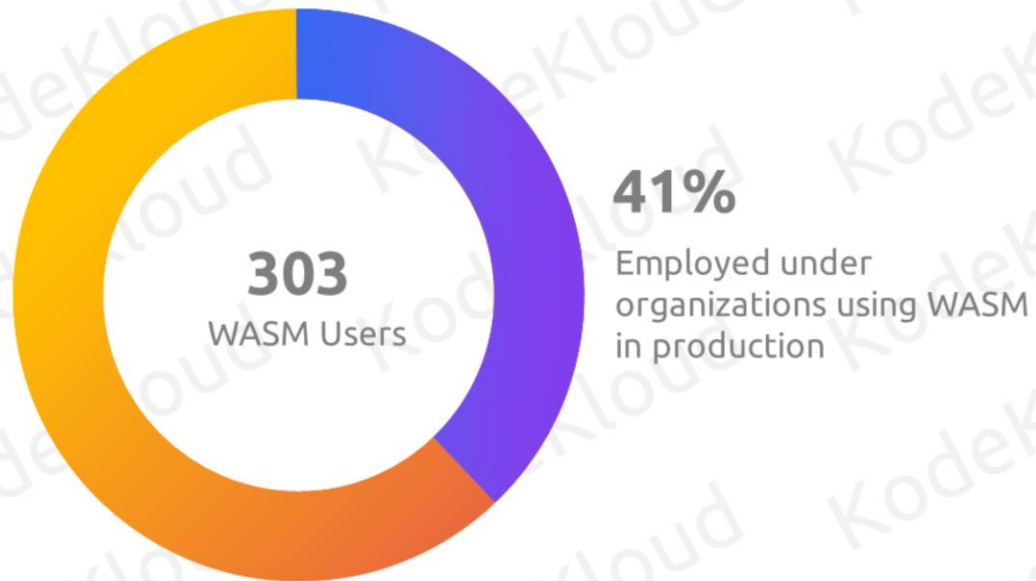# The Impact and Advantages of Mastering WebAssembly WASM

Welcome to the World of WebAssembly!

WA

WebAssembly (WASM)

Hello and welcome to your first step into the exciting world of WebAssembly (WASM)! You might be wondering,

"Why should I invest my time in learning WASM?"

Welcome to the World of WebAssembly!

303
WASM Users

41%
Employed under
organizations using WASM
in production

Source: WebAssembly Survey 2023

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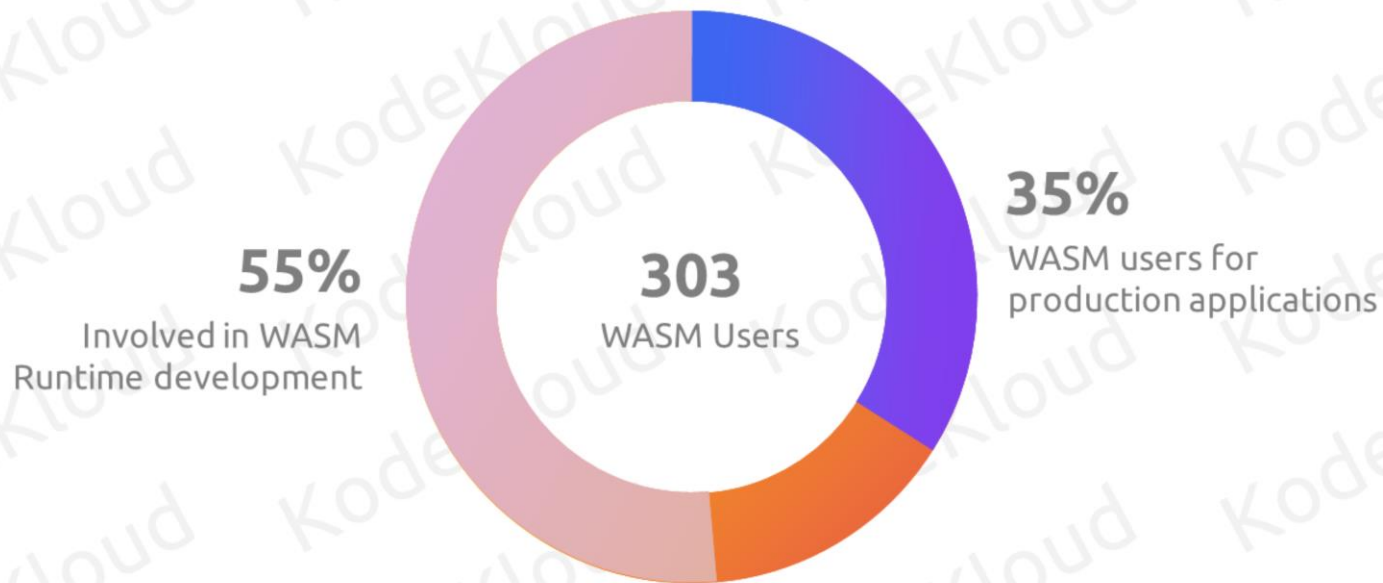
"Why should I invest my time in learning WASM?"

Here's why..

The state of WebAssembly survey 2023 reveals that,

Among 303 WebAssembly users surveyed, 41% are employed by organizations using WebAssembly in production. This reflects its growing acceptance in professional settings.
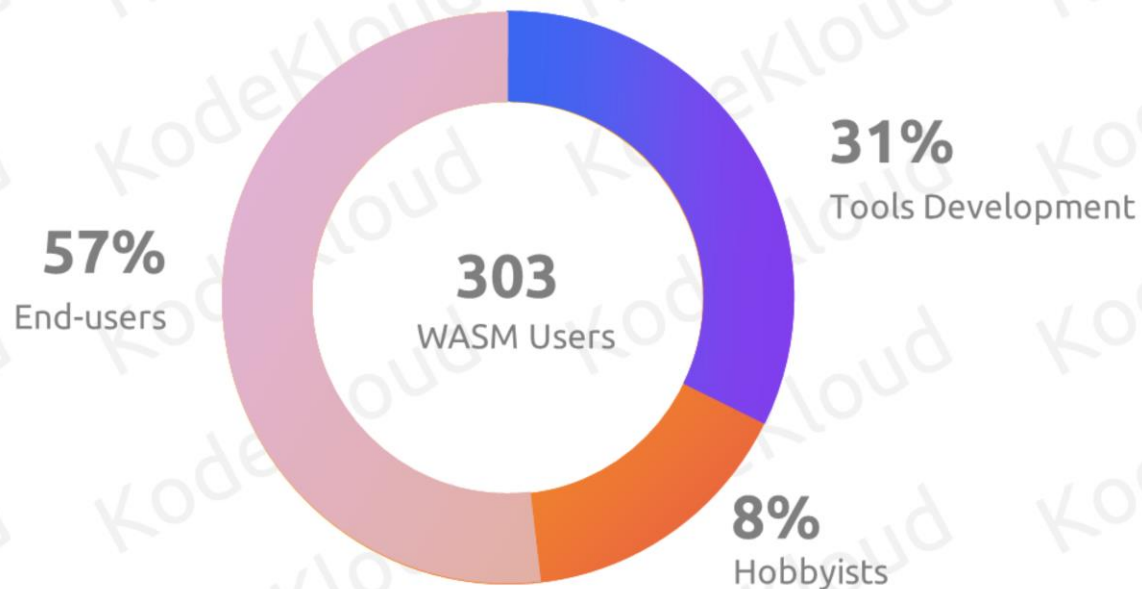
Welcome to the World of WebAssembly!

55%
Involved in WASM
Runtime development

303
WASM Users

35%
WASM users for
production applications

Source: WebAssembly Survey 2023

Additionally, There's a notable difference in usage based on the role: 55% of respondents are involved in developing a WASM runtime or work for a related vendor, compared to 35% of end users who use WASM in production applications.
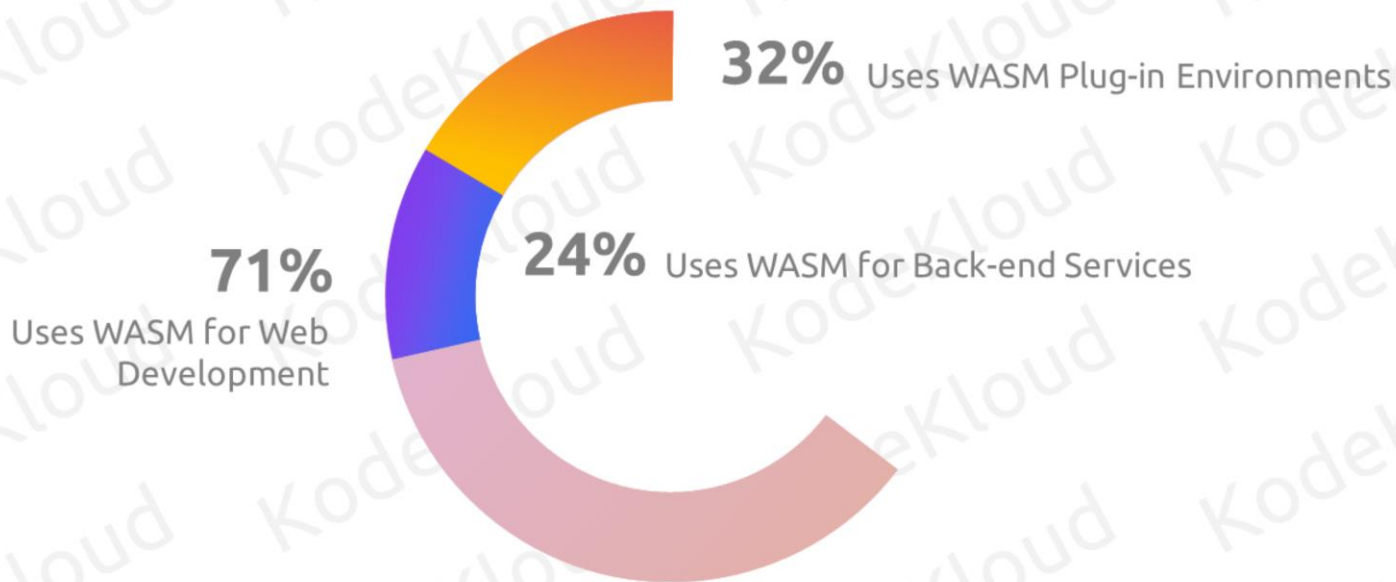
Welcome to the World of WebAssembly!

31%
Tools Development

57%
End-users

303
WASM Users

8%
Hobbyists

Source: Colin Eberhadt, CTO at Scott Logic

Also, the survey, led by Colin Eberhardt, CTO at Scott Logic , indicates a varied user base for WebAssembly: 57% end users, 31% tool developers, with the rest being hobbyists.
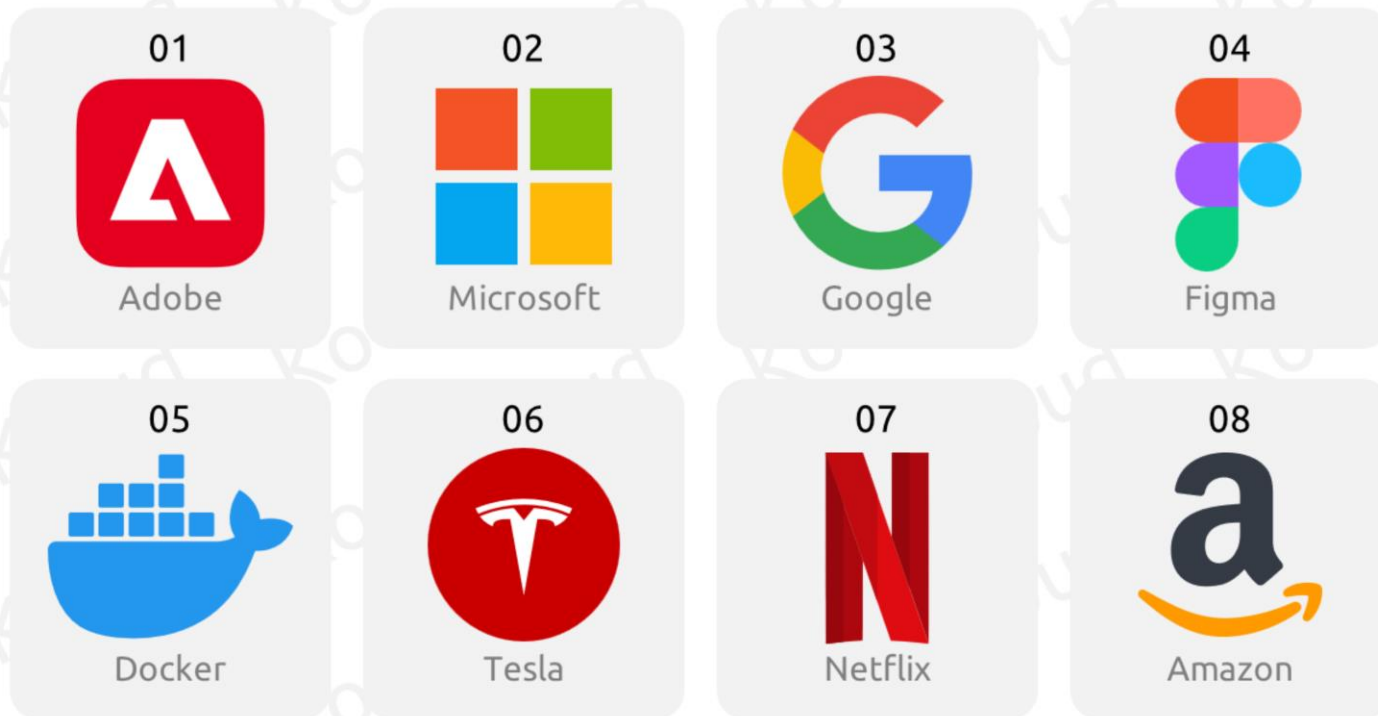
Welcome to the World of WebAssembly!

32% Uses WASM Plug-in Environments

24% Uses WASM for Back-end Services

71% Uses WASM for Web Development

Source: Colin Eberhadt, CTO at Scott Logic

It also reveals that Web development remains the top application for WASM, used by 71% of respondents. It's also increasingly used in plugin environments (32%) and backend services (24%), showing its versatility beyond traditional web applications.

Welcome to the World of WebAssembly!

01 Adobe	02 Microsoft	03 Google	04 Figma
05 Docker	06 Tesla	07 Netflix	08 Amazon

The next thing is sure to capture your attention..

Leading organizations like Adobe, Microsoft, Google, Figma, Docker, Tesla, Netflix and Amazon are utilizing WASM for a range of applications, from cloud platforms to enhancing web application performance, highlighting its widespread industry adoption and versatility. There are many more popular organizations working with WASM which is encouraging to you as a wasm learner.

Well, let's explore the advantages that mastering this technology can bring to you, both professionally and personally.

Boost Your Web Development Skills

First this course helps you to boost Your Web Development Skills

You will get to know, by learning WASM, you'll be able to optimize web applications for speed and efficiency like never before. This means smoother, faster, and more responsive experiences for your end-users.

Also, WASM adds a powerful tool to your development arsenal, allowing you to tackle projects and problems that were

once out of reach with traditional web technologies like writing your photo editing software in C++ and use it in a browser environment. You will see this in action in this course.

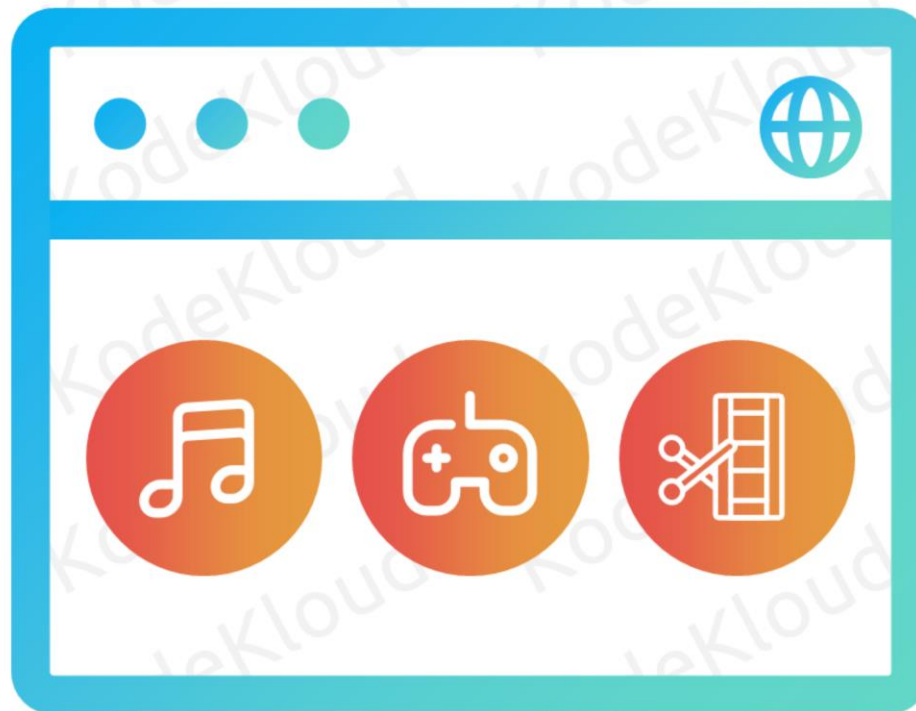Next, This course will help in your Career Horizons

As more companies look to enhance their web applications, the demand for developers skilled in WASM is growing. Mastering this technology can make you a highly sought-after professional in the tech industry. With WASM skills, you can work across various domains like gaming, music, video editing, or any field that requires high-performance web applications. Like you will see how figma, adobe works in a web browser seamlessly.

Career Horizons

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Personal Growth and Satisfaction

Another point of view is, personal growth and satisfaction

By learning WASM, you position yourself at the forefront of web technology, ready to embrace future advancements and innovations.
WASM enables you to solve more complex and interesting problems in web development, providing a satisfying challenge and opportunity for personal growth.
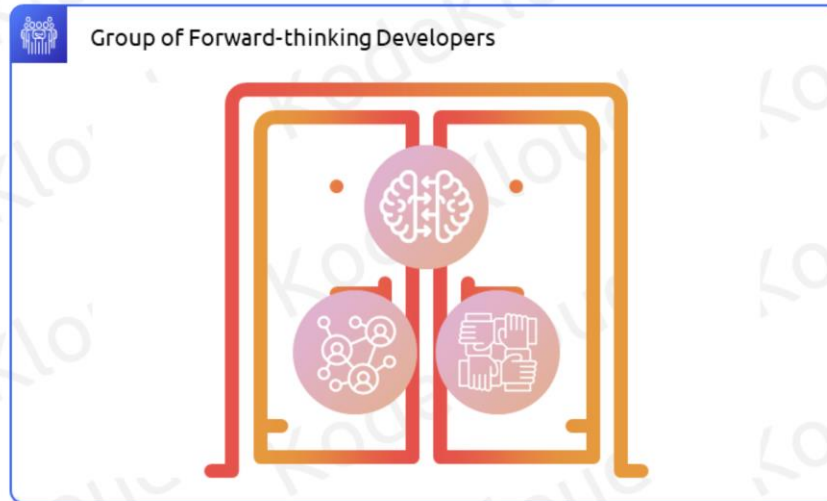
Community and Ecosystem

WebAssembly Community

Finally the, Community and Ecosystem
You know, The WASM community is vibrant and expanding.

Community and Ecosystem

WebAssembly Community

Group of Forward-thinking Developers

By learning WASM, you join a group of forward-thinking developers, opening doors to networking, collaboration, and knowledge sharing.

Many WASM projects are open source. This presents an opportunity to contribute to significant projects, enhancing your skills and reputation in the developer community.

At the end of this course we will share many resources and communities with you to keep in touch with WASM and its development.

Before wrapping up, one thing,

By the end of this course, you won't just be learning a new technology; you'll be enhancing your overall capabilities as a developer, opening new doors in your career, and joining an innovative community that's shaping the future of the web.

Stay tuned for our next lesson, where you will start our journey into the theoretical and practical aspects of WebAssembly, setting you on the path to mastering this transformative technology!

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