**RYBEON**

**WHAT IS RYBEON**

There are 6 characteristics of a great general-purpose programming technology (GPT): great functionality, great ease, great appeal, great cost, great security, and great reliability. Mainstream GPTs (C, Java, C++, Python, Golang, and Rust) posses some of these characteristics, but at the expense of the rest: this is not a good thing - we need a GPT that possesses all the 6 characteristics. Rybeon is a GPT created to solve the problem (to posses all the 6 characteristics).

**Composition**

Rybeon is composed primarily of — a general-purpose programming language (Rybe), a Rybe extension language (Rybe++), and a programmer’s code processor. There are many other useful secondary elements.

**User**

Rybeon is designed to be suitable for all types of software engineers: governments, organizations, small businesses, groups, individuals, aliens, etc; this is contrast to mainstream GPTs which focus on just individual software engineers.

**GENESIS**

The creator of Rybeon (Brian Ibrahim Qamardeen) is a Software Engineer who had used a total of 12 programming languages (C, PHP, JavaScript, SQL, C++, Java, Python, Ruby, Lua, Kotlin, Golang, and Rust).

Often, when he picked up a new programming language, the language taught him new programming philosophies, some of which he found phenomenal and epiphanic.

After picking up Golang and Rust and consequently experiencing epiphanies again, he started to wonder if there were more beautiful programming philosophies.

As a perfectionist, Brian started to wonder how he could acquire all the beautiful programming philosophies that possibly existed.

He soon realized that, if he wants to acquire them all, he has to start approaching programming according to how it should be done, and not how existing languages encourage it to be done.

When Brian started to approach programming according to how it should be done, he started to see many ways programming could be significantly better, compared to mainstream approaches.

Brian started trying to adopt his newly discovered programming approach to his day-to-day programming. Because existing languages were not designed based on his newly discovered approach, it was very difficult to adopt the approach, using any of the existing languages.

Because Brian could not adopt his approach using any of the existing languages, he decided to create a language that enables him to do so. This decision gave birth to Rybeon in October 2019.

**The Initial Idea Has Grown**

Although Brian’s initial intention was just to create a programming language, he quickly realized that he had to morph the project into a bigger idea: a suite of programming technologies (a language and supporting technologies like infrastructure that facilitate code reapplication, technologies that can help interested entities convert their codebase from other languages to Rybe, etc).

So Rybeon is now a suite of programming technologies, and not just a programming language. The language within it is called Rybe.

**VISION**

Operation Grusc: To make Rybeon living and mature.