ΒRΛ\\NS

CHALLENGES OF DEVELOPING BOSMINER FROM SCRATCH IN RUST

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CGMINER



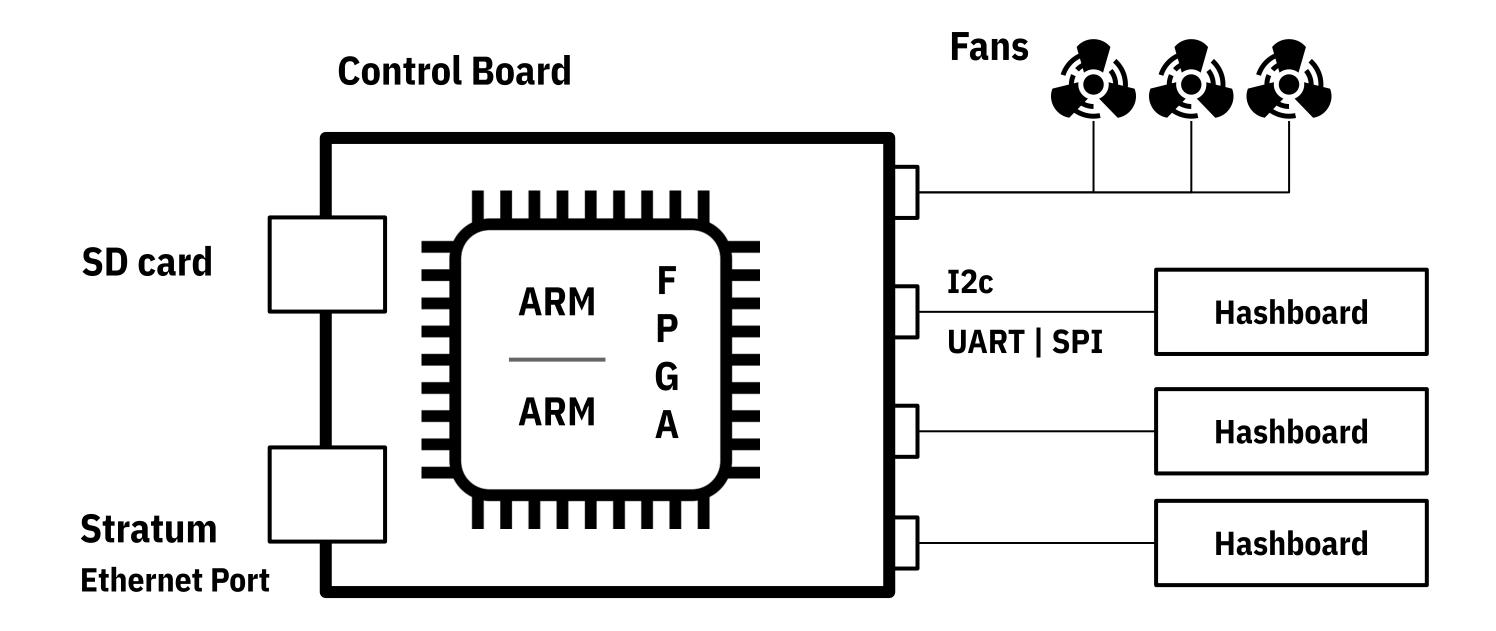
CPU	GPU	FPGA
01	02	03



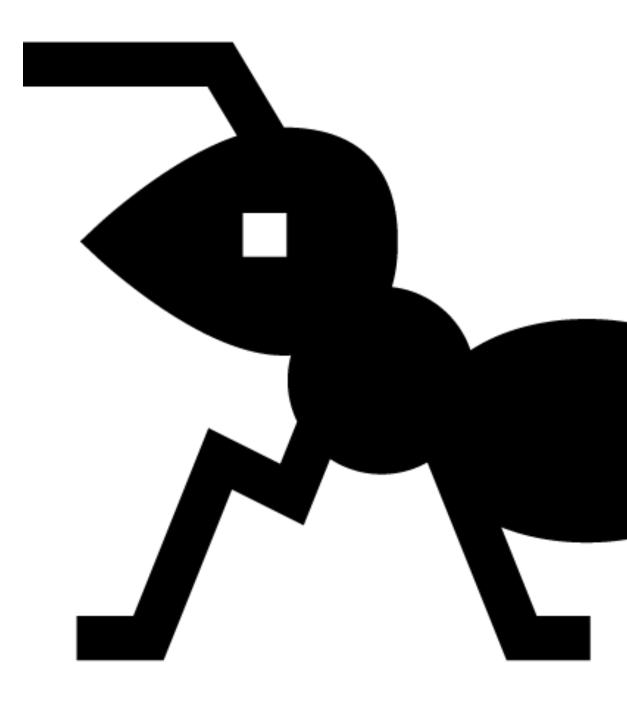
ASIC

04

HW Architecture



LACK OF OPEN-SOURCE TODAY

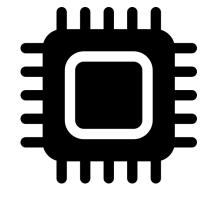


WHAT CAN WE DO ABOUT IT?

BRANNS bOSminer

WHY RUST?





Memory safe code Packaging ecosystem

01100 10110 11110

The Beauty

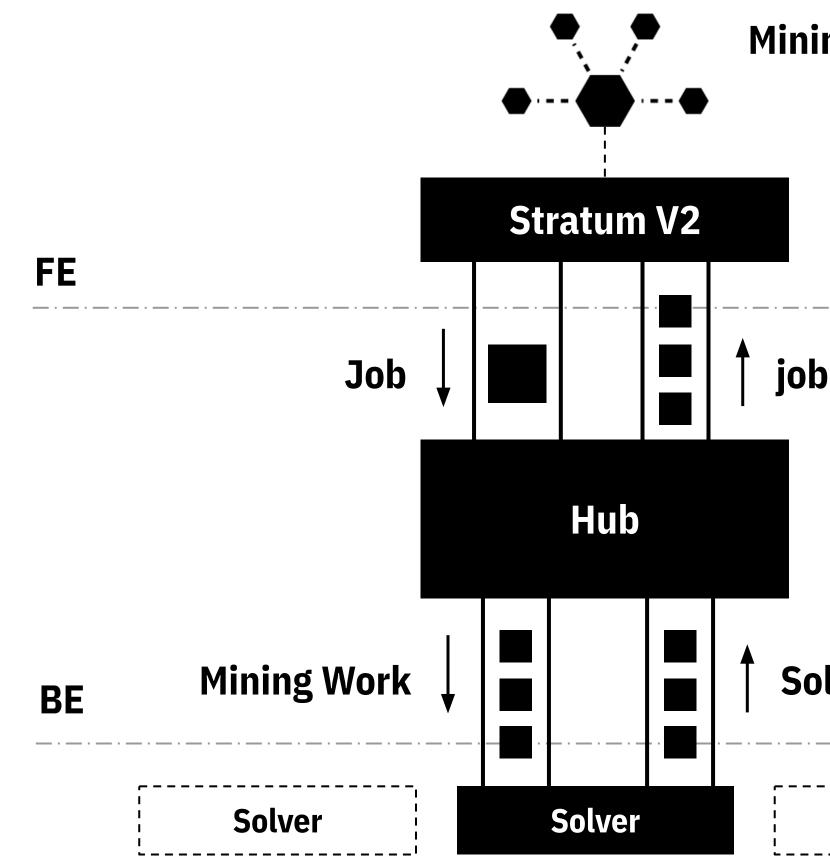
FINDING SOFTWARE ENGINEERS

#01

MULTI THREADING VS ASYNC https://areweasyncyet.rs

#03



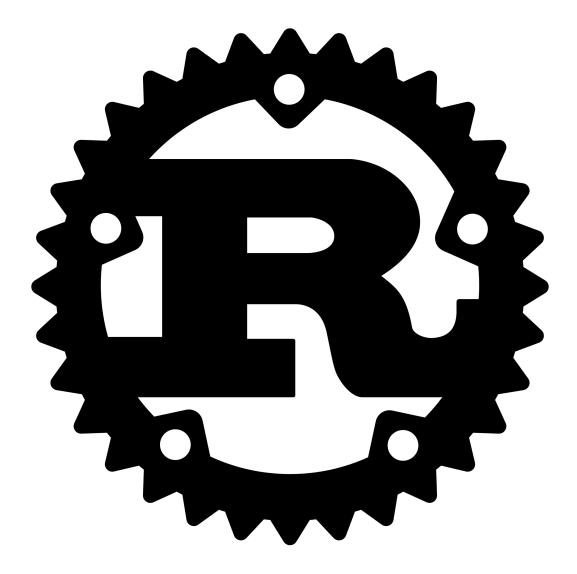


Mining Pool

job::solution

Solution

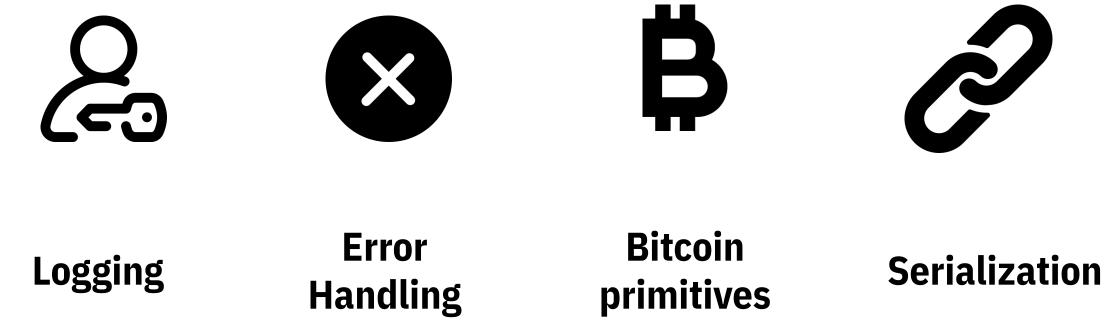
Solver



ON

#02

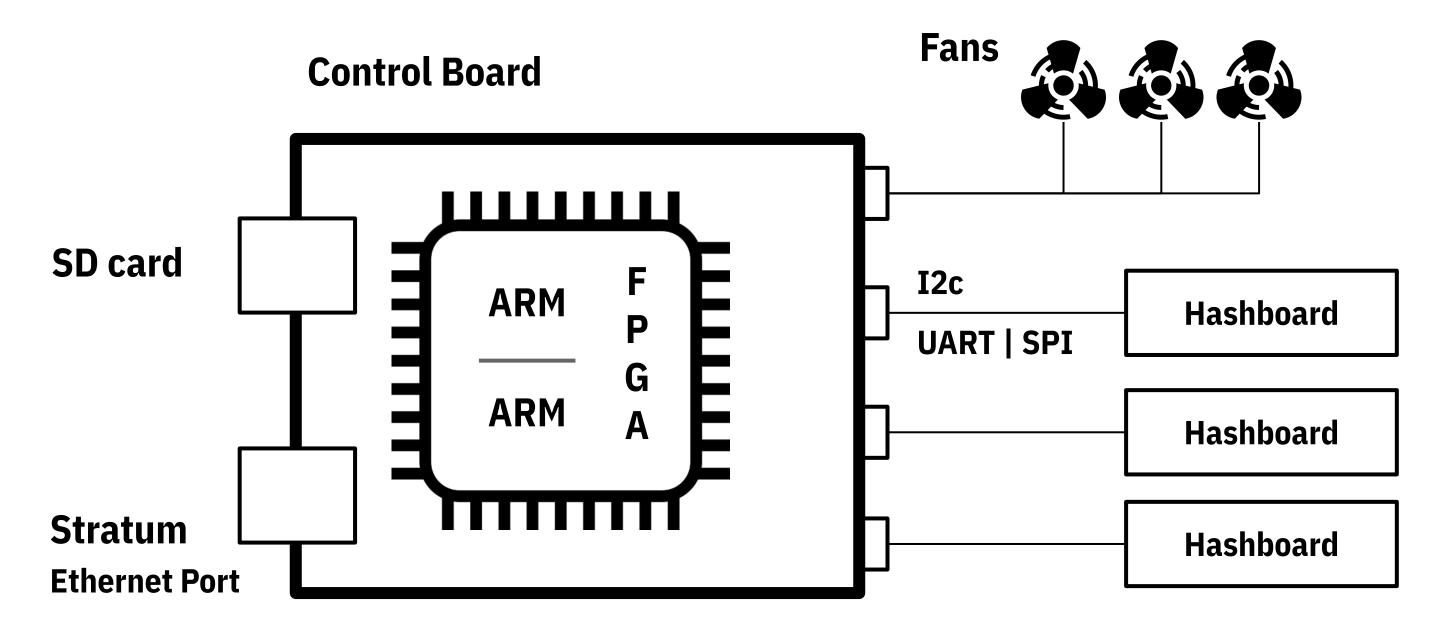




#04

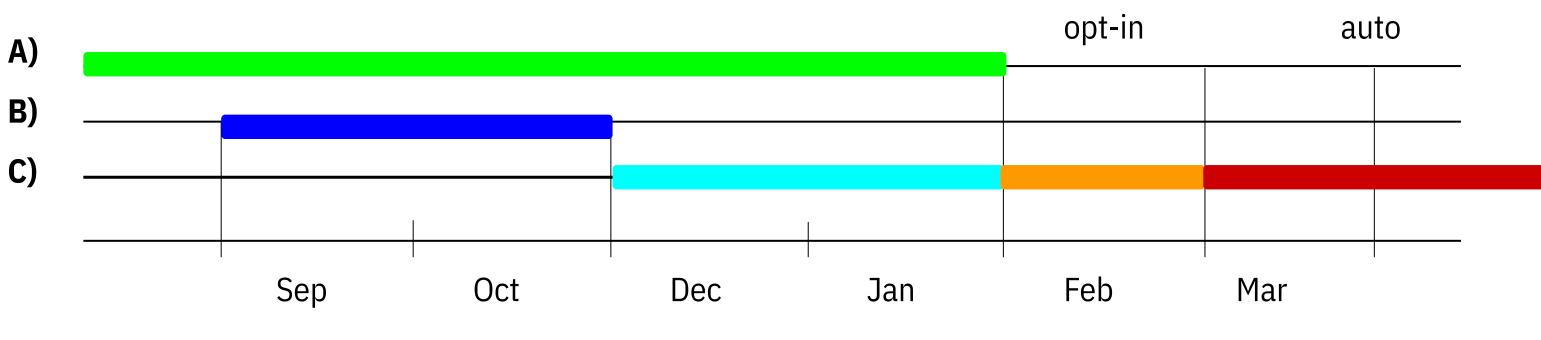


Async framework



#05

TIMELINE s/cgminer/**bosminer**/g



bOSminer

Stratum V2 Simulator

ii-stratum-proxy

SHOWTIME







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See you at BHB2019