

# Stonks Bank Account

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I'll save you the trouble... I have zero experience in the fintech world, so don't look for it. However, what I do have is multiple decades of detail-oriented, borderline obsessive commitment to make the code I write well-documented such that it is painfully obvious at a first glance that I don't know what I don't know. In that vein...

You had asked how I'd deploy this package on AWS. The most straightforward way to do so would be to use Lambda following [these](#) directions.

Per bottlenecks in my design, the first issue that comes up has already been raised in email – the global nature of the account limitations. My design has foregone account-specific withdrawal, transaction, and top up limits for the reason that I'm keeping this under 5 hours from start-to-finish (including documentation, running tests, deploying, checking in, and composing the email to you guys pointing you to said repository).

In terms of load testing, there's the well-known cPython global interpreter lock, which renders threading practically useless in python. There are well-documented ways to get around this – Python 3.9's [multiprocessing module](#) seeming to be the recommendation of choice. Others include running the program under [ironpython](#) or [jython](#) or a wholesale rewrite on another platform — my current favourite for scalability being J2ee/Spring, though I've been learning erlang and it may soon become my preferred solution for this issue.