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Re: Email for July 2, 2023

To: "Division, Criminal (CRM)" <Criminal.Division@usdoj.gov>, civil.feedback@usdoj.gov

I've got a SQL query API that I designed. With it, you can write a fully executed database query in about 20 seconds or less. It parameterizes every query that has a where clause. I can use it to design database APIs for my applications. It is also designed so that you can write queries dynamically. I had a similar api for an old clients site. He had 7 filters for his products. It created the possibility of thousands of unique query strings (WHERE filter_1 is thisValue AND filter_2...). I think it might have actually been hundreds of thousands or millions of possible query strings. Most people that have a faceted search like this will either do multiple queries or they will fetch the entire product catalogue and then filter it. With the api I built, I could fetch the filtered product selection in one single query every time. This api was kind of tailored to his store though. The new one that I built can be ported over to anything. I intend to master SQL and update my API. Right now, there is a lot that it cannot do. I might start on that after the 10th. I have some books on SQL, if they haven't been stolen, but the way to master it is to go through the documentation you get online from the MYSQL website. It is 6,000 pages, if I remember right. MYSQL is the flavor of SQL that I use. When I started my web development business, I didn't know much at all about web development. I knew some stuff about html and css, but had never written a line of programming in my life. I needed a project to learn on. Someone I went to high school with commissioned me to do an ecommerce and informational site for her family's small business. I had to learn as I went and it was murder. At that time (and probably now), if you go online and look for books on how to build ecommerce sites, you get result after result on how to do it with php and MySQL. So that ended up being my backend stack. I want to learn python. I could learn any language there is at present. They are all much more the same than different, and if you've spent years working with any one language, your learning curve for the next one will be 100x faster. Learning to program with your first language is always the hardest. Python is good for machine learning and data analysis, and I want to build a model of the US economy or possibly the world economy.

But my SQL api has a block of code for an update query, a block for a select query, and a block for an insert query. You write the block for each one time, and then anytime you need to write a query, you just copy and paste the one you need and edit a few values and you're done.

Warmest Regards,

Clint Williams

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