



Zach Robertson

DATA SCIENTIST · DEVELOPER

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AIT Global Inc.

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Python Developer

To whom it may concern,

About Me

I have spent the last year and a half working for a small pharmaceutical company managing their electronic asset management system (IBM Maximo) and its documentation. I had many tasks while in charge of the asset management system including, insuring that the MySQL database that Maximo is built on was up to date, clean, and easily maintainable, creating custom SQL queries to be used in reports in Maximo outlining asset health, maintenance schedules and other critical information, as well as writing python automations for email communications triggered by events in Maximo.

In my free time I enjoy learning new programming skills related to data science, machine learning, web development, and embedded systems programming. These include tensorflow for machine learning, TFX (tensorflow extended) for creating robust production grade machine learning pipelines, React.js which is a JavaScript framework for building website, web application and native phone application, as well as C/C++ for micro-controller projects. I used this knowledge to earn the TensorFlow Developer Certificate and build a custom dash cam around the esp32-cam board.

I am also the fonder of BitSurf, a blockchain based social media that allows users to view data from multiple other blockchain applications all in one area. This required a lot of React development, as well as some blockchain specific microservices built with plain JavaScript. My main job with BitSurf now is to build, and maintain the production machine learning pipeline for content curation, as well as creating new content suggestion models for the platform.

The experience with BitSurf and my personal projects required that I be familiar with modern DevOps tools such as Git, GitHub, BitBucket, Jira, Netlify (for CD/CI).

Why should I be considered for the position?

If you are looking for a motivated, ambitious, tech minded individual that can adapt to new challenges quickly, then I am your guy! Whatever experience I lack with specific tools I make up for with my work ethic, problem solving skills, ability to learn skills quickly and understand them thoroughly.

Thank you for taking the time to read through this, if you want to take a look at some of the code I have written my website is open-source and available on Github. You can also check out BitSurf at bitsurf.network

Sincerely,

Zach Robertson