Jason Stockwell
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LinkedIn Profile

Software Developer who, with a physicist's mind-set is experienced in taking products and original ideas from concept to delivery. Seeking role preferably within R&D area that can utilize proven ability to analyze complex interdisciplinary systems.

PROFILE

I am primarily a thinker. I enjoy solving complex problems by focusing on their fundamental aspects, understanding the tools available, and creating new tools as needed. I approach solutions scientifically but intuitively, valuing efficiency and clarity while continuously reassessing the path forward in order to achieve the fundamental goal as well as possible.

I am experienced in taking abstract systems and implementing them in software. I am comfortable working with logical systems at any level, whether that be abstract or within software architecture, in order to find optimal approaches that open up new possibilities. I do not get attached to ideas and will choose to take the best approach for a given situation if that is appropriate.

I am a self-taught programmer, researching all aspects myself. I have used Java extensively, both with Android and with desktop applications, and I intuitively solve problems with object oriented code and compartmentalization. I have moderate experience with HTML, CSS, Javascript and XML, and basic experience with other languages like C, scripting languages, and Mathematica. I am very comfortable researching software APIs and implementing them effectively and correctly. Java has been sufficient for my needs so far, but I look forward to learning other languages. I take great enjoyment in documenting code for future clarity.

I have planned, assembled and maintained my own computer, using it as an effective tool. I prefer using Linux. I have some experience with networking using Sockets in Java, and understand the theory behind client-server communication and encryption. I also have some understanding of blockchain technology, and am interested in the many ways it can be used.

I pride myself as being an uncommonly functional member of the internet generation, using technology as a tool without being dependent. Additionally, while many persons with a focus in thinking may be subject to over-thinking, or blind to social cues with a lack of empathy, I consider myself an expert in intuitively understanding social behavior without over-analyzing it. I find myself able to appropriately interact with an extremely wide range of people with respect and understanding.

EXPERIENCE

OpenPatterns Inc. and *OpenPatterns.net*
Founder, 2015 - Present

I have many interesting ideas, and the desire to implement them. I formed OpenPatterns Inc. last year to potentially help facilitate this by acting as a legal vehicle for others to support certain projects if they choose. These projects are essentially public utilities related to language and information storage, with the intent of being openly available.

I have implemented an original design of a highly accurate type of language translator (2012), specifically from English to a fully functional artificial language developed by J.R.R. Tolkien, but with a design general for all languages. Using simple linguistic theory, I developed the entire system myself from the ground up. The translator has many features not available in contemporary translators, enabled by the original approach I used, many of which I expect to become ubiquitous in the near future.

An approach I'm developing to organizing information in hierarchies has huge potential to allow for new ways to store logical information. This has many applications, like a dynamic (versus flat) Wikipedia capable of contrasting one thing to another. This hierarchy is also capable of holding information about a language necessary for translation or analysis. The applications of these systems should have high utility in many areas, especially education.

The translator is written in Java and runs on the Android OS, with over 10,000 downloads. I plan on releasing the source code. The hierarchy tool is called the Ents Database and the source code can be found on OpenPatterns.net

XvsOsports.myshopify.com WebMaster, 2015 – Present
Webmaster for a clothing/apparel start-up. Sole maintainer of eCommerce-based website made with Shopify tools, including customizing the front-end appearance and handling product uploading/organizing. Equity holder.

US Congress Campaign Webmaster, 2014
Served as Webmaster for an active campaign for a US Congress candidate. I am not an expert in networking, but I can effectively troubleshoot problems, work with DNS and domain names, and customize existing websites.

PROJECTS / INTERESTS

- Currently, I am the sole developer on an Open Source software project I call the Ents Database, written in Java under the GPLv3 license. The software aims to explore, analyze and edit complex databases based upon organizing abstract ideas within categories. It is a fundamental system with which I am designing a new generation of language translation and analysis tools, but it has many applications not currently seen in contemporary software.

- One of my strong interests is theoretical physics, specifically on the fundamental side, from quantum mechanics to relativity. I take a fundamental approach to all problems I solve, and do so scientifically and with clarity.

- I can potentially build software from the ground up for any abstract system with inherent logic, and then optimize the system around the hardware and software systems to be used.

- I have read over 200 peer-reviewed scientific papers, mostly within biology, focusing on nutrition and its relation to enzymes and genes, and I consider myself an expert in certain narrow fields of biology. I say this to emphasize that I am neither opposed to serious research nor confined to computer science and physics/mathematics.

EDUCATION
I attended UMASS, Amherst as a physics major from 2010 through 2014. I focused on mathematics and physical theory. I was awarded the Chang Freshman Physics Award, "presented to a member of the freshman class for academic excellence."