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Stories ⌄   Popularity ⌄   All time ⌄

An interview on the **performance** challenges of **FaaS** cloud architectures(https://medium.com/jexia/why-serverless-is-still-in-its-infancy-311e932a33cd)

15 points | Jexia | 8 months ago | 0 comments

Show HN: A high **performance** airplane for the price of a luxury car

89 points | carleverett | 7 years ago | 34 comments

The Light Sport Aircraft category was created by the **FAA** in 2004 with the hopes that it would lead to the first affordable airplanes. By lowering restrictions for LSA's, it was predicted that planes would be able to sell for around $60,000.

9 years later, none of the big players in the industry have been able to accomplish this. Cessna made its Skycatcher, which was supposed to sell for under $100,000. It launched in 2007 at $110,000, and has since increased its price up to $150,000. Several, better attempts at an affordable LSA have been made since then, but decent planes have struggled to find price points under $80,000. A few are sold in the $60-80k range, but these are "bare-bones" airplanes, and the market has shown little demand for planes not equipped with radios, lights, navigation, iPod jacks, etc… even if they are affordable.

I co-founded a company that has made an airplane with all these amenities and more for $55k. The design has been around for a few years now and comes from a kit-plane manufacturer in the Czech Republic. It is tiny: 250 pounds empty weight, which is small enough to be classified as an ultralight (although its **performance** takes it way out of ultralight eligibility). It is very strong, capable of carrying 60 pounds of fuel, a 230 pound pilot, and 30 pounds of baggage. Because it's so small, the **performance** specs are competitive with the Cessna Skycatcher on just a 50 hp engine. It is very fuel efficient, getting 60 mpg and flying 575 miles on one tank. Radio, GPS navigation, collision avoidance, synthetic flight, lights, and an emergency locator transmitter all come standard on the plane.

I know this isn't tech news, but I love this website and rarely get to contribute since I'm not a programmer. Here is our website: http://www.skycraftairplanes.com. Please give me your input.

A history of sports **fans** resorting to **performance**-enhancing curses(https://www.laphamsquarterly.org/roundtable/we-will-curse-you)

38 points | benbreen | 1 year ago | 2 comments

Noctua Unveils High-**Performance** PC **Fans**, Built from a Brand New Material(https://www.extremetech.com/computing/268766-noctua-unveils-high-**performance**-pc-**fans**-built-from-a-brand-new-material)

3 points | DiabloD3 | 2 years ago | 0 comments

Avengers: Endgame – **FACS** and Machine Learning for Thanos Facial **Performance**(https://www.fxguide.com/featured/endgame-the-remarkable-faces-of-avengers-thanos-part-1/)

1 points | kelsolaar | 7 months ago | 0 comments

FAA: "Thus far, our review shows no systemic **performance** issues"(https://www.washingtonpost.com/local/trafficandcommuting/european-aviation-officials-break-with-**faa**-and-boeing-and-ground-737-max-8-aircraft-involved-in-crash/2019/03/12/cd64a8d0-44d4-11e9-90f0-0ccfeec87a61_story.html)

1 points | glassworm | 9 months ago | 0 comments

Will Regulatory bodies – FDA, **FAA**, DMV – be more amenable to new technology?

1 points | WakahiuNjenga | 4 years ago | 0 comments

Artificial Intelligence, and in particular deep learning, has come a long way to reach it's current level of **performance**. Deep learning has shown that computers can parse large volumes of data and, in the process, "learn" the salient features of images and find subtle patterns.

We are using similar A.I. Technology at a startup that I cofounded, http://behold.ai, to identify abnormalities in medical images thereby helping radiologists make better clinical decisions. However, we are faced with regulatory challenges with the FDA, although the algorithms have shown great promise. Basically the FDA is averse to the black-boxish nature of these algorithms where an image is input and then the neural network outputs an inference.

I know many other companies and research institutions such as IBM Watson are working hard at the technical aspects. Other startups and large companies such as Google with the self driving cars are faced with widespread regulatory issues. Is there any chance that startups currently working in this field will see commercial viability soon because of regulatory bodies being more amenable to their new technology?

Apple Music Festival Brings Live **Performance**s to **Fans** Worldwide(http://www.apple.com/pr/library/2015/08/18Apple-Music-Festival-Brings-Incredible-Live-**Performance**s-to-**Fans**-Worldwide-in-September.html)

1 points | prawn | 4 years ago | 0 comments

Show HN: Stacktical, a scalability prediction platform

7 points | wilhempujar | 4 years ago | 9 comments

Hi guys, we're Wilhem from Paris and Jean-Daniel from Tokyo, software engineers with a passion for all things cloud (IaaS, PaaS, SaaS). We recently decided to tackle the problem of Capacity Planning with Stacktical, a Scalability Prediction service (https://stacktical.com).

For a decade, we've been observing our clients and colleagues trying to nail down their strategy using repeated cycles of defining, collecting and interpreting load testing campaigns. It's funny how most people don't realize how demanding the work of infrastructure managers and their teams really is...

While we've made great progress in the field of Continuous Delivery (we're huge Docker **fans** for instance), getting actionable scalability metrics remains a daunting process that is far from being streamlined. It has a ginormous operational cost that defies one of the main purposes of scalability: the ability for a company to fit the increasing and decreasing computing needs of apps so accurately that it never under or overspend its hosting budget.

We think we can do a better job by leveraging predicting technologies to do most of the heavy lifting involved in answering the question "Will my application scale?".

To do just that, Stacktical can generate a Scalability report with tons of useful insights within seconds, using just a dozen load testing metrics. For example, we can tell you how many max concurrent users your application infrastructure can handle before starting generating bad **performance** (or being down altogether!) due to the fundamental penalties any server is subject to (serialization, bad inter-processsus communication, suboptimal caching etc).

Our prototype is up and running at https://stacktical.com and we're looking for people willing to try out our solution and help us getting ready for primetime.

Can you guys give us a hand on that regard? You can signup for our private beta at https://stacktical.com/signup

Thanks a tons, Cheers, Wilhem and Jean-Daniel

Looking for CoFounder / 2cents?

5 points | wmandrell | 7 years ago | 15 comments

My name Will. I am 23. I live in LA. Going to school for marketing but also thinking about dropping out to join a startup or CREATE a startup. Im in the process of gathering advice. Im an aspiring entrepreneur! Not the "idea man". I dont have a get rich quick idea. Looking for someone who is willing to hear out my ideas and work with someone who believes in them or meet someone to tell me im a f*ing idiot. Anything works.

So, read below to check out projects I've worked on in the past or are currently working on now.

I am constantly thinking of ways to better the world and make certain things in life less complicated or constructive for the mass.

Ive been passionately trying to start a business since I was 18...and failed or pivoted many times. This is the order in which they have originated from. I am still working on a few of them! Looking to hash them out more with other Entrepreneurs that believe in my vision or engineers that would like to assist in wire framing or designing beta sites/apps.

1st idea - MealDealz: Dining deals. Coupons and discounts for all the popular restaurants and fast food places. Now there are many alike.

2nd idea - MiServices: Directed toward younger individuals trying to make money on the side walking dogs or putting up christmas lights, etc but would like to be accredited through ratings. Something better than Craigslist but you're not licensed so you can't technically be on Angies list or Yelp.

3rd idea - Readr: Discover and share books you love and start a book club online. Have authors start a book club for their new releases, or fans start one. Now alike Goodreads.

4th idea - Betsy: make bets online and through our application with others on any topic from the Tech world, Entertainment, Sports, Politics, etc. Earn points, humblebrag and use the points to get cool rewards.

5th idea - standUP: organize all the online campaigns into one place. Enlighten people on common issues and how to take action through either petitions to congress, sharing the message or supporting the cause, etc. Show all the trending topics currently going on: Occupy Wall Street, GunControl, Internet Control, Oil Spill, Education, War on Drugs, etc. Then the main objective would be to help people establish their standpoint on the issue by showing all the different points of views and how they could easily take action all in one simple organized application. The app would be like the One campaign app.

Plus many other ideas! But these are the ones that I've either already worked on or are currently working on.

I am fascinated with the concept of building businesses, the surprises with successful marketing, and the power of social media and how much impact it has on the world.

I can assist in creating a business model. Assist in product design. Make Logo. Talk to potential customers, test design hypotheses. Figure out sales and marketing strategy, find beta users, warm up early adopters, performance tracking, online profiles, help create a blog. Research. Checking up on competitors and how they do business. Or help collectively create a meaningful mission statement explaining why we give this service/product.

Any advice works. Contact me: wmandrell.iv@gmail.com

https://twitter.com/WLMiv

http://www.cofounderslab.com/will-mandrell

Dear Firefox: I can't do this anymore. I'm done.

5 points | nonamegiven | 7 years ago | 7 comments

Some time in the last week, Firefox (latest by auto updates) on Lubuntu (latest by auto updates) has been freezing up briefly, then coming back (in seconds). But once that starts, eventually it freezes the whole machine. The only thing that works is I can move the mouse around, but i can't focus on any other windows. I can't even ctrl-alt-F1 to get a console. Power cycle. There's no crash report after, as far as I can tell.

And yeah, I uninstalled a couple addons that were recently installed, no improvement. And no, I didn't disable all my addons (about 10), and I didn't start it in safe mode.

Rather than incrementally take away addons, which *might* reveal a symptom (note, not reveal the problem), I decided to see what happens if I don't use Firefox. And both problems went away, the freezing, and the need to troubleshoot the freezing.

So I've been using Chromium for a few days. I don't like it. But the thing is, Firefox does everything I want, most of the time, and Chromium does some of what I want, all the time. And my fan's quieter.

I tried to write essentially this same message on the Firefox support forum. I had to reset my password, and I'm still waiting for the reset link two hours later (I checked spam and my other account). So I'm sending this message through a friend, because you won't pick up the phone.

This seems to go in cycles. A couple years ago Firefox had a poor performance reputation, and they fixed it, and I was happy. But I don't want to go through the cycle anymore.

Eventually I'll probably go to Uzbl, but that's a bit more of a leap than I want right now, I'm in the middle of something.

Good luck, I hope you work it out. I need to move on.

Is AWS LightSail Just Another Name for AWS T2 Instance Family?

2 points | pradeepchhetri | 3 years ago | 0 comments

From AWS LightSail faqs,

```
Lightsail uses burstable performance instances that provide a baseline level of CPU performance with the
additional ability to burst above the baseline.
```

This is exactly same description which Amazon AWS uses for T2 family of instances.

JASON report on "Human Performance" (pdf) (http://www.scribd.com/vacuum?url=http://www.fas.org/irp/agency/dod/jason/human.pdf)

1 points | michael_nielsen | 11 years ago | 0 comments

Ask HN: How to find a marketer?

5 points | danenania | 7 years ago | 4 comments

I see a lot of posts on HN about how a non-technical marketer or domain expert should go about finding a programmer to help them build a product. I'm in the reverse situation. I've built what I think is a solid niche product, but I need help developing a promotion strategy to get the word out to my target market.

My product is an iOS app called Pro Golf Scout. It provides results, stats, player performance trends, and detailed player comparisons for the PGA and European tours. It's targeted at fantasy golfers, sports bettors, sports journalists/bloggers, and other serious fans.

Due to its focus and the value I believe it can provide to people in this niche, I've priced it relatively high at $4.99. So far sales have been lackluster, hovering around 1-3 per day after 3 weeks. Given that so far my promotion efforts have fallen mostly flat, it means the majority of these sales have come from either organic app store traffic or word of mouth.

My strategy so far has consisted of emailing bloggers in the space to try to get them to review the app and trying to participate in relevant forums/discussions, but this hasn't gotten me much response or attention.

I've also done some targeted facebook mobile advertising, but I haven't seen a reasonable ROI. My click through rates are decent (2-3%), but install rates are extremely low (1% at most).

I don't have a lot of cash to spend, but I do have a small budget for advertising if I can find an approach that's +EV, and I'm willing to share a significant portion of revenues with a partner (either an individual or organization) who can help. I don't think this app is going to make millions, but I do believe that it's a solid app that offers good value to a decent-sized niche and that there's a good potential revenue stream there if it can get enough exposure to get the ball rolling.

So, any thoughts on how to find marketing help?

Ask HN: What's a good cheap, low-power, high-flexibility home server solution?

1 points | kqr | 2 years ago | 3 comments

I want to get a server to stick under the TV, which will automate some of my life.

I'm a Linux power user and software developer, but my hardware skills suck. I can stick together computer parts with matching interfaces, but that's about it.

In my search for something cheap (being a CS student), I tried thinking out of the box. Since Linux or NetBSD runs on pretty much anything, it shouldn't be a big deal to look for things people don't normally think to?

There are some ideas I have had and then ruled out. I'd love nothing more than to be wrong about all of them. These are:

* Commercially available NAS solutions: not flexible enough in terms of software you can run on them.

* Raspberry Pi and similar one-chip computers: bad I/O performance.

* Old laptops: batteries not meant for constant load.

* Used rack server: noisy and power hungry. Might be able to take out some fans and undervolt it but I lose stability at that point.

* Most disappointing: smartphone ARM SoCs. They're amazing but tricky and expensive to turn into general purpose computers.

I'm aiming to have one SSD for most day-to-day usage, mainly for its quietness and low power consumption. In addition, I want two slow spinning drives in RAID-1 for backups; the idea is that these will be parked for the majority of the time. I'm worried about power consumption not for my electricity bill as much as for heat and efficiency concerns.

I need it to fit in a small case, and upgradeability is not an issue as long as "replace everything" is a possible upgrade path (i.e. I want to avoid vendor lock-in). External connections can be limited. If I get a gigabit ethernet port and ideally also an HDMI output I'm content.

I hope these are fairly general demands and we can get a discussion going on modern, cheap, unusual home server/HTPC solutions!

ZEFR Engineers (Venice, CA) solving BIGDATA problems with Code – Can you help?

1 points | ZEFRJames | 5 years ago | 1 comments

Are you interested in working with talented engineers that are passionate about the following technology?

>>>>>We manage video data for clients.

How do we increase the efficiency data analysis of billions of YouTube videos?

How can we best categorize the content in these videos?

>>>>>We offer professional insights on our clients' YouTube channels.

What benchmarks can we create to best analyst and compare a video's performance?

How do we make the data actionable for clients?

We develop instruments to evaluate a brand's performance on YouTube

What metrics or analytics would be most useful for brands to see to help them expand and utilize their YouTube presence?

>>>>>>We make it easier for brands to connect with their fans

How do we create data based insights to help facilitate mutually beneficial interactions between brands and their biggest fans on YouTube?

ZEFR solves problems with the following tech:

(Flask), JavaScript (Angular), PostgreSQLGit

Front - AngularJS, HTML5, CoffeeScript, CSS3

Back - CentOS, Ubuntu, Python, PostgresSQL, Redshift, Cassandra, Dynamo DB, Flask, Redis, Rabbit, GoLang, \n…and more

INTERESTED IN HELPING ON A FULL-TIME BASIS?\nQUESTIONS?

JAMESC@ZEFR.COM\nJames Chmielinski\nHead of Talent/Recruiting at ZEFR\nZEFR.com

Ask HN: Sandbaggr: rate your stats against your friends and the pros.

1 points | sandbaggr | 8 years ago | 0 comments

When you play Angry Birds on the iPhone, you know where you rank compared to every other Angry Birds player in the world with the help Apple Game Center.

If you play Chess, you know where you rank compared to every player in the world with the help of Fdration Internationale des checs (FIDE)'s ELO Ranking system.

Why can't it be this way with all sports?

At Sandbag.gr we're building a platform that allows friends, teammates, and competitors to track their performance against each other anywhere in real time. We want to make it as easy to use as Game Center on the iPhone, but for games in the physical world too. :)

Why do this?

Statistics are poorly managed and as a result people are overlooked for a variety of biased reasons and perceived flaws.

We feel that Sandbag.gr sits at the nexus of several trends in the venture backed space and that now is the optimal time to enter the market with a peer-2-peer skill ranking product.

Big Data - For years country clubs, local athletic clubs, and student athletic associations, have kept track of sports data independently. This data, although sometimes streamlined on a national level in the case of the USGA, remains largely disorganized. There lies a huge opportunity to organize this data and apply it in a fun and intuitive way. For example, Muthu Alagappan, a Stanford University Senior, recently used a data set from the NBA 2011-2012 season on 452 players to determine which positions would best serve their strengths. In analyzing the data he created 13 new positions to better describe the way each player participates in scoring

points for the team. One fun example that he pointed out was that statistically Rajon Rondo of the Boston Celtics had more in common with Miami Heat forward Shane Battier than with fellow point guard Tony Parker of the San Antonio Spurs. Alagappan built his database with the following fields: points, rebounds, assists, steals, blocked shots, turnovers and fouls. These are stats that every athletic association in the first world keeps. The same observations that Alagappan made about professional players could be applied to the high school or adult recreational level making gameplay more fun and preventing young players from being "undervalued" by the coaches, scouts, and **fans**. Muthu's experiment is just one example of how sports data can be utilized when organized in a standardized way. Further more, Xbox Live and Apple Game Center have data about all video games played. With the help of the unofficial Xbox API and Apple Game Center API all of this data could be ported to Sandbaggr. Smartphone and Tablet Proliferation- There were an estimated 487 million smartphones shipped in 2011, and tablet computer proliferation is growing exponentially. Dozens of score card apps have popped up on smartphones making it easier and easier to keep score on an iPad or iPhone than in a book. This presents a phenomenal opportunity for Sandbag.gr to cater to anyone from jet setters keeping each other in line while playing a skins game on the golf course to athletic associations keeping track of their team's stats in real time on an ipad. Real Time - The rise of derby.js and meteor have proven that time time is ripe for a realtime consumer web applications to be deployed. Although these projects and their brethren are still in their infancy, many sports associations across the country still use traditional pen and paper as a means of keeping track. Realtime applications allow coaches and scorekeepers to update the statistics they are recording in real time, and would allow audiences, coaches, and players to engage with those statistics immediately. Although this has become commonplace for professional and college sports, game statistics methodology remains in the same state it has been since the 1950's. Gamification - One of the most popular buzzwords among marketing communities in lie of Four Square's success has been "gamification." It seems like everyone in a marketing role has been professing the inevitable gamification of western consumerism(i.e. badges for buying stuff). At Sandbag.gr we think its silly to spend time "gamifying" things such as shopping or watching T.V. when games and sports that people play every day and have been playing for years have not been optimized by Web 2.0 technologies. Having said that, we think the implementation of badges and awards, in a way that has been fun and successful with XBox live, would add another level of competition to sportsmanship. p2p Meetups - We love DinnerForStrangers and think it is extremely innovative. We think the same "matchmaking"/ "geo-social" principles that ideas like DinnerForStrangers and Match.com use to match people nearby can apply to pick-up games and challenges.

Monetization

Ideally we would like Sandbag.gr to be free for anyone to use, but because it is important for there to be an ultimate strategy we have brainstormed a few monetization scenarios.

Goods upgrades - EA made a phenomenal foray in the the internet gaming space in 2010 with the creation of Tiger Woods online which allowed users to customize their player by buying different clubs and shoes. We think that advertising and specific product upgrades in real life such as shoes and could be fun way to rack up affiliate Amazon Skilled Game Wagers - When handicaps are more open and honest, everyone who wants to put a friendly skilled gaming wager with a friend has the ability to do so in a safe and controlled environment. Companies such as Betfair and . Skilled gaming betting for physical games remains largely legal within the United States and other economies. Charge - If all else fails we think a subscription model could be viable alternative. This model has worked within the Golf Community. Currently golf rankings are kept by the USGA through a system called Golf Handicap Index Number (GHIN) although the rankings are free to view, to keep track of the rankings through your usually costs $30-50 a month through a country club. We believe we can dramatically reduce this cost (probably to zero). In the last five year, startups like Groupon/Living Social and fun things like StrangersForDinner have challenged us to go outside and engage socially with the world around us, but there are exists a wide range things that have yet to be modernized with the technologies that have largely democratized other aspects of daily life. There are plenty of fun things that people can do without paying for a coupon. Sport is part of our culture. We don't know why we like sports, but for some reason they're important to us. :)

Conclusion

At Sandbag.gr we're a small group of engineers, economics geeks, and entrepreneurs that want to make the world of sports and games more open and honest. We think there are huge inefficiencies throughout the world in the way we evaluate each other.

The list of things that we can do with well organized data is endless, but we want to start small. Right now we are developing a simple ELO ranking system that can be applied to everything from rap battles to arm wrestling (2). We think the next step are sports where handicaps play a large role like golf or bowling.

So sign up for the beta, ask us a question, or reach out to us and get involved to show us what you got. Because, after all, nobody likes a dirty Sandbaggr. ;)

Sign up at Sandbag.gr

Ask HN: Best fan-less Ultrabook you recommend?

1 points | ge96 | 3 years ago | 0 comments

Size is 13-14" and very light, very powerful, long battery life, great display.

I have an obsession for super thin laptops with **performance**/specs.

Old though would be nice, somewhat affordable.

For example the first gen Lenovo Carbon X1's are appealing but they have a fan.

The problem with **fans** is sitting them on your lap/non-flat surface.

- 1