Links für 2023 KW 29

Zusammengefasst von [LlongOrca](#).

Simple Sabotage Field Manual - How to Destroy Your Organizations:

The article discusses sabotaging teams and organizations effectively by following advice from the OSS Simple Sabotage Field Manual, which highlights various tactics to cause disruption and hinder progress in groups. Examples of such tactics include insisting on excessive channels for decision-making, bringing up irrelevant issues, spreading rumors, working slowly, blaming equipment for poor performance, and causing unnecessary interruptions. The article suggests that by calling out these behaviors, discussions can be initiated to improve teamwork efficiency.

Schlüssel gestohlen: China-Hacker hatten Zugriff auf persönliche Microsoft-Konten:

Chinesische Hacker haben mit einem gestohlenen Signaturschlüssel von Microsoft noch weitaus mehr Konten eingefädelt als bisher bekannt war. Die Sicherheitsfirma Wiz hat festgestellt, dass der Schlüssel Zugangstoken zu allen Azure-Active-Directory-Anwendungen ermöglichte, die mit Microsofts OpenID v2.0 arbeiten. Dies betraf persönliche Konten von Microsoft und auch Kundenanwendungen, die auf die Microsoft-Konto-Authentifizierung zurückgreifen. Um eine weitere Missbrauch des Signaturschlüssels zu verhindern, hat Microsoft alle mit dem gestohlenen Schlüssel in Verbindung stehenden Aktivitäten vom 3. Juli ausgesperrt.

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xkcd: Summer Solstice:

The article discusses plans for developing lunar engines to align the Moon with the ecliptic, resulting in a monthly occurrence of solar eclipses.

Embrace Complexity; Tighten Your Feedback Loops:

The article discusses the importance of embracing complexity in managing complex systems such as software development, organizational structures, and feedback loops. It emphasizes the need for continuous communication, alignments with team members and understanding their goals and pressures, as well as providing the right tools to enable them to make better decisions. The author also suggests shifting from a bare analysis to systemic point of view, fostering psychological safety and trust, and promoting open discussions on root causes in order to improve overall system performance.

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6 Best Practices for Backend Design in Distributed System:

Most modern software systems are distributed systems due to their ability to handle large data volumes, multiple locations, and scalability requirements. Designing a distributed system is complex,

requiring expertise in communication, security, reliability, and concurrency. This article offers six best practices for distributed systems design: 1) anticipate failure and implement fault tolerance; 2) choose your consistency and availability models; 3) build on solid foundations; 4) minimize dependencies; 5) monitor and measure system performance; and 6) establish a structured design process.

Plane - The open source project management tool:

The article discusses various ways to contact the company, including through Discord for questions, comments, concerns, and chat, as well as providing links to their presence on social media platforms such as Twitter, GitHub, YouTube, LinkedIn.

To grasp the extent of inequality, look at the relatively well-off:

The article discusses how people's subjective perceptions of income inequality often do not match reality, and highlights the importance of understanding these perceptions to better comprehend wealth distribution in society. It also explains the concept of the Palma Ratio, which measures income disparity by comparing the top 10% with the bottom 40%. The article goes on to debunk common misconceptions about income levels, such as people in the top 10% considering themselves average earners. Finally, it explores the potential challenges and opportunities for individuals within this group to contribute to a more equitable society.

Why even let users set their own passwords?:

The article discusses the current war on passwords and how they are becoming less relevant due to the increased use of two-factor authentication (2FA) and risk-based authentication methods. It also highlights the inconsistencies in many websites treating password recovery processes as an extension of the login process, effectively rendering them obsolete. The article proposes a model where passwords are issued randomly by websites rather than allowing users to set their own, arguing that this could eliminate the need for risk-based authentication methods. It also emphasizes that 2FA should ideally involve different categories of factors (what you have, what you know, and what you are) rather than using multiple instances of „what you know."

AWS Networking Concepts:

The article discusses the author's struggle with understanding the AWS VPC dashboard before reading the book „AWS Networking Fundamentals" by Toni Pasanen. After finishing the book, they were able to comprehend the various resources involved in networking, such as connections between AWS accounts and other entities. They created a mind map to help visualize these relationships and are seeking feedback on its usefulness and accuracy.

Dying Phones, Wilting Cyclists: Epicenter of Europe Heat Wave Has Gri…:

The world is experiencing extreme heat waves in 2023, with average global temperatures setting multiple new records. Italy has experienced temperatures as high as 45.9°C (115F), breaking local and regional records. This intense heat has led to dangerous conditions for residents, such as the death of an elderly man in his car. The situation is made worse by the El Niño weather pattern, which has been increasing global temperatures. This heatwave not only affects Italy, but other countries across the globe, including Japan and the US. The impacts on health, infrastructure, and agriculture are significant; as a result, this heat wave serves as a warning of what's to come in a warmer world.

Lessons from vertical farming bankruptcies, layoffs, and closures in 2023:

The vertical farming industry is facing significant challenges, with many companies experiencing heavy losses or bankruptcy. These issues can be attributed to three major factors within the controlled environment agriculture (CEA) and vertical farming industries: easy money discouraged efficiency, questionable business models, and fundamental unit economics. In order for these industries to succeed in the future, they need to focus on building efficiently and deliberately, prioritizing fundamentals such as establishing and optimizing unit economics and operational consistency, and reducing burn rates.

Dementia risk linked to blood-protein imbalance in middle age:

A study following thousands of people over 25 years has identified proteins associated with the development of dementia if their levels are unbalanced during middle age. This discovery could contribute to the development of new diagnostic tests or even treatments for dementia-causing diseases. Most of the proteins have functions unrelated to the brain, and researchers found that altered levels of many of these proteins were associated with amyloid and tau proteins, which are specific to Alzheimer's disease.

Social media is too much for most of us to handle:

In 2008, a person conducted an experiment on hyperconnectivity by following more than 13,500 people on Twitter. Initially, they found themselves well-informed during events like the Sichuan earthquake. However, as time went on, their feed was flooded with negativity and violence, leading to constant anger and eventually depression. They decided to unplug for a fortnight, which helped improve their mental health. The author concludes that hyperconnectivity is detrimental to one's well-being and suggests people may have reached its limits in the Fediverse.

THE ENGLISH ROMAN AND ITALIC:

The digitization of Fell Types began in 2000 using three books as sources. These types were originally used in printing at the University Press Oxford, and have now been digitized for use in Western, Central European, Baltic and Turkish languages. The process involved many samples from each glyph to preserve the original cut's imperfections. Fell Types include Roman, Italics, De Walpergen Pica, French Canon, Double Pica, Great Primer, De Walpergen's Pica, and Fell Flowers. These types were originally designed by renowned typographers such as Stanley Morison, Christoffel van Dijck, Robert

Granjon, and Peter de Walpergen. The digitization effort was led by Igino Marini, who developed the autospacing tool iKern during this process.

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diff-pdf:

diff-pdf is a tool for comparing two PDFs visually. It can output a highlighted difference file or open a simple GUI for visual comparison. The tool is released under the GPL license.

Good code is like a love letter to the next developer who will maintain it.:

The article discusses the importance of good code as a personal and considerate communication between developers, similar to a love letter. It emphasizes that coding follows patterns, principles, and best practices for better efficiency, maintainability, and comprehension. The article also highlights the need for testing, commenting, and proper naming conventions to ensure the code's readability and maintainability by others. Good code is considered a legacy, as it facilitates collaboration among developers working on a shared project.

Accidentally Load Bearing:

The article discusses Chesterton's Fence, a concept that suggests when changing something or removing an apparently useless object, one should first determine its purpose. This concept can also be applied to changes made in complex computer systems and structures. It highlights the importance of considering not just the original design but also any additional purposes the object may have served since it was initially built or designed. The article uses a personal experience where a wall stud became accidentally load bearing as an example of how one must consider both the initial purpose of an object and its potential additional roles in system today.

Blame capitalism? Why hundreds of decades-old yet vital drugs are nearly impossible to find:

The article discusses the issue of drug shortages, particularly for generic medications, which are becoming more prevalent and lasting longer. This problem affects essential drugs such as cancer treatments, heart medicine, bacterial infection remedies, and more. While this is not a new issue, it has grown over recent years, posing significant challenges to patient care.

The pharmaceutical industry's structure is partly responsible for the drug shortage problem, as profits are significantly lower when producing low-cost generics compared to costly brand-name drugs. Outsourcing production to countries with lower manufacturing costs also comes with risks, such as difficulty in FDA inspections, production problems, and quality issues.

The COVID-19 pandemic highlighted the United States' reliance on foreign suppliers for raw materials and exacerbated existing drug shortage concerns. The article suggests that finding ways to produce more generic drugs within the United States could help address this issue.

Hearing aids may cut risk of cognitive decline by nearly half:

New research published in The Lancet suggests that older adults at greater risk for dementia may protect themselves against cognitive decline by using hearing aids. The study found that the use of hearing aids can reduce the risk of cognitive decline by about half, or 48%, for those with more factors increasing their dementia risk. These factors include elevated blood pressure, higher rates of diabetes, lower education and income levels, and living alone. The study highlights the importance of addressing hearing loss in preventing cognitive decline and emphasizes that individuals should get their hearing checked if they are unsure about its status.

The Practice is not the Performance: Why project-based learning fails:

Project-based learning has its benefits but can also be inefficient when it comes to teaching certain skills. Instead, breaking down skills into smaller components and drilling them rapidly with immediate feedback may provide better results in a shorter amount of time. Focusing on concepts and designing exercises around specific aspects allows learners to gain a deeper understanding and improve their skills more effectively.

GitHub - Fadi002/unshackle: Open-source tool to bypass windows and linux passwords from bootable usb:

The article discusses an open-source tool called „unshackle PublicNotifications" which aims to bypass passwords on both Windows and Linux operating systems using a bootable USB drive. It is licensed under the GPL-3.0 license, has 86 stars and 6 forks.

How-to-Run-LLMs-Locally:

This article provides an overview of how to run large language models (LLMs) locally using tools like llama.cpp, GGML library, and Huggingface Inference Endpoints solutions. It covers various methods for running inference on different hardware platforms such as NVIDIA GPUs, Intel CPUs, and even mobile phones. The article also discusses the process of converting model weights to be compatible with these tools and provides examples of using them in Python and command-line interfaces.

Huel Black Review | Is This the Best Huel Has to Offer?:

Huel Black is a popular low carb high protein meal replacement shake that offers 40g of protein, making it the top choice for those looking to boost their protein intake and/or lose weight. It is gluten-free, without artificial sweeteners, and available in a variety of flavors, including Coffee Caramel and Salted Caramel. The shaker used for Huel Black is a unique design that allows for easy drinking and cleaning. The nutritional profile of Huel Black is nutritionally complete with 27 essential vitamins and minerals. While some may have difficulty adjusting to the thick texture, overall, it provides an excellent option for those seeking meal replacement shakes.

Beyond introvert vs. extrovert:

This article discusses the concept of introversion and extroversion, which was first defined by Carl Jung in the early 1900s. The author explains how Susan Cain's book „Quiet: The Power of Introverts in a World That Can't Stop Talking" gained popularity, highlighting the benefits of being an introvert. However, since the COVID-19 pandemic, people have realized that they need others as well. The article argues that the introvert/extrovert dichotomy has become less useful and suggests adopting a more nuanced model for understanding different interaction preferences. This can lead to greater self-understanding and promote better mental health.

A glitch in the SEO matrix:

Last week, an SEO glitch was discovered where every month, around 2,400 people search for „a comprehensive ecosystem of open-source software for big data management." Upon researching the term, it was found that there are approximately 1,000 results, most likely from low-quality blog posts published recently. This is an unusual case in which many SEO practices have led to this situation. The term seems to have originated from a Cisco IoT course exam question about Hadoop. Although the source content driving the search interest isn't public or indexed, thousands of students are searching for it every month. As a result, low-quality blog posts are desperately attempting to rank for this keyword.

GitHub - yokoffing/Betterfox: user.js file to harden Firefox and optimize privacy, security, and speed:

The article discusses the Betterfox PublicNotifications, a user.js file that enhances Firefox by improving privacy, security, and speed. It is licensed under MIT license and has received over 1.2k stars and 64 forks on GitHub in 2023.

typography:

TODO

In the Asian Flu of 1957-58, they rejected lockdowns (2021):

The article discusses a series of user comments and interactions, with no clear summary available.

slama.dev – Linear Programming in Python:

This article presents a solution to the Traveling Salesman Problem (TSP) using a LpProblem optimization model. The TSP is an NP-hard problem that seeks the optimal path of visits to different

cities such that the total distance traveled is minimized. The provided code implements a variation called the „adjacency list" method, where edges between vertices are represented by binary variables. This solution involves finding an optimal cycle based on distances among vertices while considering constraints for the edges and subsets of vertices. The output includes the problem name, the minimal tour length, and the list of visited cities in the order they were visited.

What is a merge queue, and does your team need one? | Graphite:

GitHub has introduced a merge queue feature that helps in resolving semantic merge conflicts in large teams with up to 15 developers pushing changes continuously every day. The merge queue ensures PRs are merged one after another and keeps the main branch stable. This prevents the „rebase hell" situation experienced when trying to rebase on top of conflicting code updates, which can be particularly problematic for companies with more than 100 collaborators or long-running CI checks. Optimizations like batching or fast-forward merge in stack-aware merge queues like Graphite's can further improve the throughput. However, whether a team needs a merge queue depends on factors like the frequency of broken main branches and the time spent rebasing changes.

Windows 11 Collects an Awful Lot of Telemetry About Your PC:

The article discusses the privacy concerns surrounding Windows 11 and its increased telemetry requests compared to older operating systems like Windows XP. A security researcher has studied these requests on a clean installation, and the findings suggest that Windows 11 communicates with more external servers than its predecessors, raising potential privacy concerns.

What's Wrong With Enterprise Linux:

The Enterprise Linux model involves snapshotting upstream open-source projects at specific versions, including the Linux kernel, for use as the basis of an Enterprise Linux distribution. This distribution remains locked at its specific version for the majority of its lifespan (often over ten years). The model prioritizes stability over security updates and falls behind upstream versions in terms of security bugfixes. Alternatives like rolling release distributions can maintain stability while keeping closer to upstream updates, but operational challenges may arise from staying current with these releases. Oracle Linux offers a unique Enterprise Linux kernel that more closely tracks the upstream Linux kernel without sacrificing stability or security updates.

Verleimen mit Weißleim | FEINSCHNITTkreativ:

Der Weileim, auch bekannt als PVAC-Leim (Polyvinylacetatleim), ist ein weit verbreitetes Bindemittel in der Holzverarbeitung und besitzt viele Vorteile wie Transparenz, Unempfindlichkeit gegenüber Lösemitteln und starke Verbindungen unter Druck. Bei der Kaufentscheidung sollten Beanspruchungsgruppen von Klassen D1 bis D4 beachtet werden, die die Wasserbeständigkeit des Leims angeben. Es ist wichtig, den Druck gleichmig über die gesamte Fläche zu verteilen und ggf. Zulagen zu verwenden. Zur Anwendung in der Praxis sind Holzstcke, Holzleim, Spannklemmen und ein Zahnspachtel notwendig. Nach einer geeigneten Presszeit ergeben sich solide Verbindungen

zwischen den Werkstücken.

An Ancient Battle Is Playing Out in the DNA of Every Embryo:

The article discusses a study that reveals how embryonic stem cells fight off invading ancient retroviruses to ensure the development of a healthy human being. This quality control mechanism ensures that only the fittest survive and protects the developing fetus. It also explores the role of HERVH, an embedded gene sequence from another ancient retrovirus, which can suppress the attack of damage-causing sequences, providing protection to the developing cells. Researchers hope this new knowledge will be useful in studying regenerative medicine and understanding early pregnancy losses.

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