TOP 10 SOFTWARE BUGS AND TECH FAILS OF 2021

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| Problem | Impact | Comments |
| T-Mobile data breached by bad actor using mobile carrier security system and unprotected router. | Gain access to customer personal information more than 50 million data by the hacker. | T-Mobile can improve the unprotected router, update the security policy and maintain database security |
| Slack rollout new feature to public message It impact the customers which like dm without invitation, user custom message in invitation and can't be able to block email. | It impacts customers send the direct message and send invitation with custom messages. Constant emails. | Check if both users is following and can dm them. Filter the abusive message. |
| On May 3, TikTok faced a technical issue that caused follower counts to reset to zero and disrupted app access for users. To address the problem, users trended the hashtag #tiktokDown, calling on tiktok to restore their accounts and resolve the issue. | There could be several possible reasons for glitch. It might have been due to a software update, server overload, or a malfunction in the third party api used to collect data | A solution could involve implementing enhanced software testing and a robust incident response plan to detect issues early and communicate effectively with users during outage. |
| The 2021 colonial Pipeline cyber attack severely disrupted fuel supply acros the East coast, causing gasoline shortages and price spikes. Hackers infiltrated the network and demanded a ransom, which led to widespread opertional dispution | The attack was made possible due to the absence of multifactor authentication on a virtual private network account. This allowed hackers to exploit compromised credentials and gain unauthorized access to the network | The attack was enabled by the lack of multifactor authentication on a virtual private network account, which allowed hackers to use compromised credentials to breach the network |
| The Toshiba tech group faced a ransomware attack from the darkside hacking group, which threatened to expose customer data and demanded a ransom | The attack happened because of inadequate security measures that did not prevent unathorized access, allowing the hackers to exploit system vulnerabilities | Toshiba should strengthen its cybersecurity by implementing robust measure sysch as advanced threat detection system, security audits and employee training to recognize phising attempts and other attack vectors |
| Raven software had to remove a newly introduced pre match lobby loadout selection feature in call of duty warzone due to significant bugs. These issues provided some players with unfair advantages and disrupted overall gameplay | The glitches resulted from insufficient testing of the new feature, which failed to identify critical issues. These included payers spawning with customized loadouts and triggering an infinite dead silence effect | Raven software should adopt more rigorous testing protocols including extensive beta testing with diverse user gropus to identify and resolve potential issues before launching new features |
| England national health service experienced a four hour outage that impacted both its app and website preventing users from verifying their covid vaccination status and causing significant disruption for travelers | The outage likely caused by system overload or failure in the centralized, which was unable to handle the demand during a critical period | The NHS should consider decentralizing its systems to enhance resilience anf implement load testing and redundancy measure to ensure service continuity during period of high demand |
| Tesla recalled nearly 12,000 vehicles due to a glitch in its Full-Self Driving beta software that caused false forward collision warnings, leading to sudden automatic emergency braking and increased risk of rear-end collisions. | The issue start from a communication error within the 10.3 Full-Self Driving beta software, which triggered incorrect warning and applied for the unnecessary braking | Tesla should enhance its software testing and validation processes, and real-world scenario testing, to catch potential glitches before updates are rolled out, ensuring vehicle safety. |
| The Log4j vulnerability has exposed millions of web servers to potential exploitation by hackers, posing a severe threat to organizations worldwide due to its widespread use in critical systems. | The issue stems from a vulnerability in the log4j logging library, which allows attackers to execute code by manipulating log messages. | Organizations should test internally to avoid defects. It should immediately make the patch to rectify the issue. |
| Grand Theft Auto – The Definitive is have several bugs and graphics of the npc is very terrible | The old game is remake of graphic but it have several of the bugs. | It should test before release of game by the internal team to avoid bugs. |