Interview Questions

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- Vince/AMZN:
  - 12 Leadership Principles
    1. Customer Obsession
       Refusal to cut scope at SYK. Just put in more hours to get the job done on time and with sales' desired features.
    2. Ownership
       I was quite literally the software owner at SYK. I did everything from software architecture, component selection, driver development, wrote scheduler/dispatcher, in-field upgrade (USB). Cared highly about finding bugs fast at Nvidia. Integrated coverity, gcov, and unit tests into the RISCV Core RM. This identified numerous bugs and code bloat prior to Ada/Hopper tapeout.
    3. Invent and Simplify

    4. Be right often

    5. Learn and be curious
       Currently exploring some of the more recent c++ features (ranges, modules, in order to improve my ability to write cleaner and more efficient code.)
    6. Hire and develop the best
    7. Insist on highest standards

    8. Think big
    9. Bias for action

    10. Frugality
    11. Earn Trust
        X-Functional team's trust to be fully responsible for the software. They had confidence that any bug we identified I could resolve. Also Amimon's trust. SYK had a very strong-arm relationship with their clients, however I understood that we were making a lot of unrealistic demands of them. They understood that I could help translate what requests were reasonable and which were not.
    12. Dive deep
        Autofocus
  - Make sure to ask questions
  - Prioritize working solution. But very much interested in optimal approach. Try to identify best data structures/algorithms.
  - Make sure to discuss WHY I'm making specific decisions in my implementation.
  - Many recent ocus on concurrency/multithreading in low-level
  - virtual white-board. Will not actually be running code
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  - https://amazon.jobs/content/en/how-we-hire/sde-ii-interview-prep