

Software Executive Questions

| Concept | Executive Questions |
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| Software Engineering | <p>Is SW engineering a recognised skill within the organisation?</p> <p>Who are the senior leaders in this space?</p> <p>How are the practices and skills defined, developed and shared across the development teams?</p> |
| Software Architecture | <p>Is there a common set of software architecture patterns approved for use? Are the development and test team actively using them?</p> |
| Ops - DevOps, DataOps & MLOps, SRE | <p>Are you treating the operational elements of the solution as a first-class citizen ensuring that getting capabilities live and monitoring and maintaining them is the default?</p> <p>How is your team / org structure aligned to the go live and post go live requirements? Ad-hoc or optimized?</p> |
| Testing: The Pyramid - Test-Driven Deployment & Behaviour-Driven Deployment | <p>How is the testing approach optimized to ensure the right level of functional and non-functional quality?</p> <p>Is an automated approach used throughout the delivery to ensure rapid and consistent quality assurance?</p> |
| Software Development Cycle | <p>Are you clear on the roles and responsibilities at each stage of delivery, from conception through to operations?</p> <p>Are the individuals appropriately incentivised to deliver the required value? E.g. it's not about the number of tests, it's about the quality of code delivered and the speed of defect detection</p> |
| Delivery Approaches: Scrum, Kanban, Scaled Framework | <p>Do you have an agreed delivery approach?</p> <p>Are you providing the right coaching and training to make sure the principles are being applied appropriately and not just following the ceremonies?</p> <p>What metrics are you gathering for your delivery approach to ensure the right outcomes are being met?</p> |
| Languages and Tools | <p>Do you have an approved set of languages? How are you managing your recruitment and training to support this approved set?</p> |