Practice Project Presentation

for

Graduate Certificate in Architecting Scalable Systems (NCS)

General Presentation Outline with approximate suggested time allocation (40 minutes)

*Note: The time for Q&A is included in the overall duration. We suggest the timings for the following segments in the form of (X+Y) where Y is the Q&A time.*

1. Overview (2+1 minutes):
   1. Explain the context and the business problem that the solution as a whole is trying to achieve.
   2. Highlight the platform-thinking aspects of your solution.
   3. Explain the scope of the project.
2. Project Conduct (1.5+0.5 minutes):
   1. Explain the current status of the project including outstanding issues.
   2. Describe the actual project milestones and the rough total effort expended by each team member.
3. Logical Architecture & Design (7+2 minutes):
   1. Highlight the key architectural decisions that influence the logical architecture.
   2. Explain the logical components of the solution by showing a logical detail deployment diagram and other supporting views.
   3. Where relevant, highlight the elements of Domain Driven Design that help to shape the design of the solution as a platform. In particular, describe how the platform is designed to interact with the producers and consumers.
4. Physical Architecture & Design (7+2 minutes):
   1. Highlight the key architectural decisions that influence the physical architecture.
   2. Describe the physical architecture that includes the network, nodes, technologies and cloud services that are used in the solution.
   3. Describe the persistence design of the solution.
   4. Describe the detailed design of an architecturally representative user case or user story.
5. DevOps and Development Lifecycle (6+1 minutes):
   1. Describe the strategy to manage the source code and artifacts.
   2. Describe the DevOps pipeline and procedures.
   3. Highlight any technical findings and issues encountered.
6. Demo (8+2 minutes)
   1. Demonstrate some of the significant use cases of the solution
   2. Demonstrate how the solution deals with some of the important quality attributes e.g. scalability (such as demonstrating auto-scaling), performance (show using some scripted performance testing), maintainability (show/run the DevOps pipeline)

Presentation Tips

1. Summarize and highlight the significant achievements. Talk more about the significant and interesting parts of the solution and implementation. Your audience should remember the unique aspects of the solution and not similarities to other solutions.
2. Manage your time well. Do not present too many slides. Remember that the audience can read the text in the slide so refrain from reading them.
3. Explain your design in top-down manner. Make sure that your audience understands the requirements, the high-level design and the high-level decisions that you make before drilling into some details.
4. Ensure that the contents on the slides are readable from the distance at which your audience is sitting. This is particular true for face-to-face presentation.

Presentation Schedule

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| --- | --- | --- | --- |
| **3 May 2021 (morning)** | | **3 May 2021 (afternoon)** | |
| 9.00 – 9.40am |  | 1.50 – 2.30pm |  |
| 9.45 – 10.25am |  | 2.35 – 3.15pm |  |
| 10.25 – 10.40am | Break | 3.20 – 3.35pm | Break |
| 10.40 – 11.20am |  | 3.35 – 4.15pm |  |
| 11.25am – 12.05pm |  | 4.20 – 5.00pm |  |

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| **4 May 2021 (morning)** | |  | |
| 9.00 – 9.40am |  |  |  |
| 9.45 – 10.25am |  |  |  |
| 10.25 – 10.40am | Break |  |  |
| 10.40 – 11.20am |  |  |  |
| 11.25am – 12.05pm |  |  |  |

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| **5 May 2021 (morning)** | |  | |
| 9.00 – 9.40am |  |  |  |
| 9.45 – 10.25am |  |  |  |
| 10.25 – 10.40am | Break |  |  |
| 10.40 – 11.20am |  |  |  |
| 11.25am – 12.05pm |  |  |  |

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| **6 May 2021 (morning)** | | **6 May 2021 (afternoon)** | |
| 9.00 – 9.40am |  | 1.50 – 2.30pm |  |
| 9.45 – 10.25am |  | 2.35 – 3.15pm |  |
| 10.25 – 10.40am | Break | 3.20 – 3.35pm | Break |
| 10.40 – 11.20am |  | 3.35 – 4.15pm |  |
| 11.25am – 12.05pm |  | 4.20 – 5.00pm |  |

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| **7 May 2021 (morning)** | | **7 May 2021 (afternoon)** | |
| 9.00 – 9.40am |  | 1.50 – 2.30pm |  |
| 9.45 – 10.25am |  | 2.35 – 3.15pm |  |
| 10.25 – 10.40am | Break | 3.20 – 3.35pm | Break |
| 10.40 – 11.20am |  | 3.35 – 4.15pm |  |
| 11.25am – 12.05pm |  | 4.20 – 5.00pm |  |

The following is the join link for the Zoom meeting:

Topic: Practice Project Presentation for Architecting Scalable Systems (NCS)

Time: May 3, 2021 08:30 AM Singapore

Every day, until May 7, 2021, 5 occurrence(s)

May 3, 2021 08:30 AM

May 4, 2021 08:30 AM

May 5, 2021 08:30 AM

May 6, 2021 08:30 AM

May 7, 2021 08:30 AM

Join Zoom Meeting

https://nus-sg.zoom.us/j/83617288407?pwd=bEtzMFFON3J6NXBYV0tZbTRDajVBdz09

Meeting ID: 836 1728 8407

Password: 385339