

Interview Script

Pre-interview

- Estimated time for this interview: 45 minutes;
- The content of this interview is confidential and will be recorded for transcription purposes. Your personal identity, projects/products, companies, and individuals mentioned will not be disclosed at any time;
- This interview is part of a study to investigate the technical challenges related to the adoption of Continuous Practices (CI, CDE, CD) in the industry. Its purpose is to collect firsthand accounts based on practical experience;
 - **Pipeline Challenges:** Technical challenges that hinder the adoption, practice, or the benefits from any of the Continuous Practices. These challenges arise when structuring the pipeline for a Continuous Practice or during the execution of this pipeline. They are closely related to its stages and are not encountered in contexts where pipelines are not yet present;
 - **Product Challenges:** Technical challenges that make it difficult to adopt, practice, or experience the benefits of any of the Continuous Practices. These challenges are intrinsically related to the product itself: its code, tests, or architectural decisions, for example. They do not depend on the existence of pipelines to be observed.
- Permission to record the interview.

Demographic Questions

1. What is your current job position?
2. How much experience do you have in:
 - a. Software development?
 - b. Continuous Integration?
 - c. Continuous Delivery?
 - d. Continuous Deployment?
3. In your current projects, do your activities involve any of these continuous practices?
4. Would you say that your most frequent activities currently relate to development/coding or designing systems?
5. How many times in your career have you needed to implement a Continuous Practice in a context where it was not yet used?
6. Throughout your career, which continuous practices have you needed to implement?

Specific Questions

7. How is the assessment process for starting a project aimed at improving the software development lifecycle with a client?
8. Are you satisfied with this process today? Would you change anything to improve your work?
9. What challenges have you encountered related to the practice or adoption of Continuous Practices?
 - a. describe each of the mentioned technical challenges
 - b. how can one identify each of these challenges
 - c. delve into themes not covered in the responses:
 - i. Technology (presence or absence)
 - ii. Architecture (architectural decisions, violations)
 - iii. Code (structure, organization, quality, testing)
 - iv. Where have you encountered more technical challenges? Design-time or run-time? (provide examples)