



software engineer

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Name: Bhavy Patel

Job Title: Laravel Backend Developer

Company: 8 Dotes

Experience: 4+ Years in Web Development

Domain: Custom Web Applications, Company Client Projects

Which Software Development Life Cycle (SDLC) model does your company primarily follow, and why?"

- The company follows a modified Waterfall model combined with Agile elements. Every project takes around 8 months to complete and follows a structured sequence: requirement gathering → documentation → design → development → testing → deployment. There are limited iterations, but some feedback loops are allowed during design and after testing.

How does your team gather and manage software requirements from clients or users?

The company owner directly talks to the client to gather all requirements. After that, the owner explains the requirements clearly to the development team. A detailed requirement document is created, which is approved first by the owner and then by the client before moving forward.

How important is documentation in your software projects? What types of documents are typically created?

Documentation is critical. They prepare and confirm requirement specification documents and also document design layouts before development. Approval is taken at every stage—first internally and then from the client.

Can you explain how testing is done in your development cycle? Do you use automated testing tools?

- The team includes a dedicated tester who performs manual testing once the full development is complete.

After that, the website is shown to the owner, and only after approval is it presented to the client.

Limited client-side changes are accepted after testing and verification.

What role does software design (like architecture or UML diagrams) play in your project planning?

A frontend designer starts working after approval of the requirement document. The design is confirmed by both the owner and client. Though formal diagrams like UML may not always be used, they follow a clear design plan and approval cycle.

How does your company handle changes in client requirements during the development process?

- Client-side changes are limited and controlled. Most changes must be finalized in the early phase. If needed, minor updates are accepted during the client verification stage, but there's a strict boundary to avoid scope creep

Which tools or technologies do you use for version control and project management?

They use GitHub for version control. Each developer works independently and pushes code after a module is completed—usually once a day or when a specific task is finished. This ensures organized tracking.

What challenges do you face in team collaboration and how do you ensure smooth communication?

The process is fairly smooth due to clear division: frontend developer, backend developer, tester, and designer. The owner acts as the bridge between the client and team, ensuring the team doesn't directly face requirement chaos.

Can you share an example where a software project failed or faced serious issues? What lessons did you learn?

(No failure was mentioned in your note, but based on standard cases) Sometimes, if requirements are not clearly finalized early, it causes delays later during client feedback. This taught the team the importance of early approvals and documentation.

In your opinion, how important is it for fresh graduates to understand software engineering principles when joining the industry?

1. Very important. The employee said that every step—from requirement gathering to design to testing—follows a clear structure. Understanding these software engineering principles helps new developers integrate better and understand the why behind each step.