

Building-the-future-ai-infused-software-architecture-demo-prompts

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Demo: Start Architectuur

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1. I am a software architect that needs a little help with developing a software architecture, can you help me?
2. I am developing an online tool where customers can order pizza's from their local pizza place. The pizza's will then be delivered by the delivery people of the restaurant. Key features are browsing the menu with all the pizza options for the customer. The pizza bakers need to be able to see what they need to bake. And the delivery drivers should get a message when a pizza is ready to be delivered, and be able to see the address the pizza needs to be delivered to. The backend of this application is written in Java with a PostgreSQL database as storage. We haven't decided on a frontend technology just yet. This is a tool for one specific pizza restaurant in my home town.

3. What would you suggest to use as a frontend technology?

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Demo: Architecture Decision Records

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4. Alright you've convinced me! We will be using React. Can you write an ADR?
5. That is actually not the template we use at our company, could you rewrite this ADR according to the following template? And can you write it in Markdown syntax? Title Status What is the status, such as proposed, accepted, rejected, deprecated, superseded, etc.? Context What is the issue that we're seeing that is motivating this decision or change? Decision What is the change that we're proposing and/or doing? Consequences What becomes easier or more difficult to do because of this change?

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Demo: C4 modelling

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6. Amazing, thank you! Could you also create a C4 context and container model for this architecture? I use structurizr as a tool for this.
7. Somethings wrong with this diagram, structurizr shows the following error: "The software system "OnlinePizzaOrderingSystem" does not exist at line 55: systemContext OnlinePizzaOrderingSystem {" Can you fix this?
8. The application is using a payment provider, which is an external system. Customers use this payment provider to pay for their orders. Can you add this to the C4 model?

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Demo: Architectuur

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9. For our backend application we settled on using a onion software architecture, can you create the archunit tests for this architecture?