



foodo

Team 11



# project identification

foodo

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## **what** will foodo do?

foodo is an AI-powered cooking assistant that provides personalized meal suggestions and step-by-step guidance. It helps users improve their cooking skills and connects them with a community of food enthusiasts.

## **how** will foodo do it?

foodo uses machine learning techniques and large language models to offer tailored recipes based on users' preferences, dietary restrictions, and skill levels. The app learns from user interactions to make meal suggestions more personalized over time. It also integrates a social platform, allowing users to share recipes, tips, and connect with others.

**software**   
**product identification**



# Allocation of the Uses–Cases to 6 Increments

## Increment 1

- UC1 (Login) 100% Completed
- UC2 (Recover Password) 100% Completed
- UC3 (Register New User) 100% Completed
- UC4 (Navigate Pages) 100% Completed
- UC5 (Get Meal Suggestions) 30% Completed
- UC6 (Get Recipe Instructions) 30% Completed
- UC7 (Manage Posts) 40% Completed
- UC8 (View Posts) 100% Completed
- UC9 (View Profile) 50% Completed
- UC10 (Edit Profile) 100% Completed
- UC21 (View AI Chat Lists) 60% Completed
- UC22 (Manage AI Chats) 60% Completed

## Increment 2

- UC5 (Get Meal Suggestions) 40% Completed
- UC6 (Get Recipe Instructions) 40% Completed
- UC9 (View Profile) 100% Completed
- UC15 (Send Notification) %40 Completed
- UC16 (View Notifications) %30 Completed
- UC20 (Search Users) 100% Completed

## Increment 3

- UC5 (Get Meal Suggestions) 60% Completed
- UC6 (Get Recipe Instructions) 60% Completed
- UC11 (View Achievements) 20% Completed
- UC12 (Earn Achievements) 20% Completed
- UC15 (Send Notifications) 80% Completed
- UC16 (View Notifications) 80% Completed
- UC17 (Manage Notifications) 90% Completed
- UC21 (View AI Chat Lists) 70% Completed
- UC22 (Manage AI Chats) 70% Completed
- UC13 (Manage Friends) 100% Completed



# Allocation of the Uses–Cases to 6 Increments

## Increment 4

- UC5 (Get Meal Suggestions) 70% Completed
- UC6 (Get Recipe Instructions) 70% Completed
- UC11 (View Achievements) 100% Completed
- UC12 (Earn Achievements) 80% Completed
- UC19 (Interact with Posts) 40% Completed
- UC22 (Manage AI Chats) 100% Completed
- UC21 (View AI Chat Lists) 100% Completed

## Increment 5

- UC5 (Get Meal Suggestions) 90% Completed
- UC6 (Get Recipe Instructions) 90% Completed
- UC7 (Manage Posts) 100% Completed
- UC14 (View Friends) 100% Completed
- UC15 (Send Notifications) 100% Completed
- UC16 (View Notifications) 100% Completed
- UC17 (Manage Notifications) 100% Completed
- UC19 (Interact with Posts) 70% Completed

## Increment 6

- UC5 (Get Meal Suggestions) 100% Completed
- UC6 (Get Recipe Instructions) 100% Completed
- UC18 (Share Experience Feedback) 100% Completed
- UC19 (Interact with Posts) 100% Completed



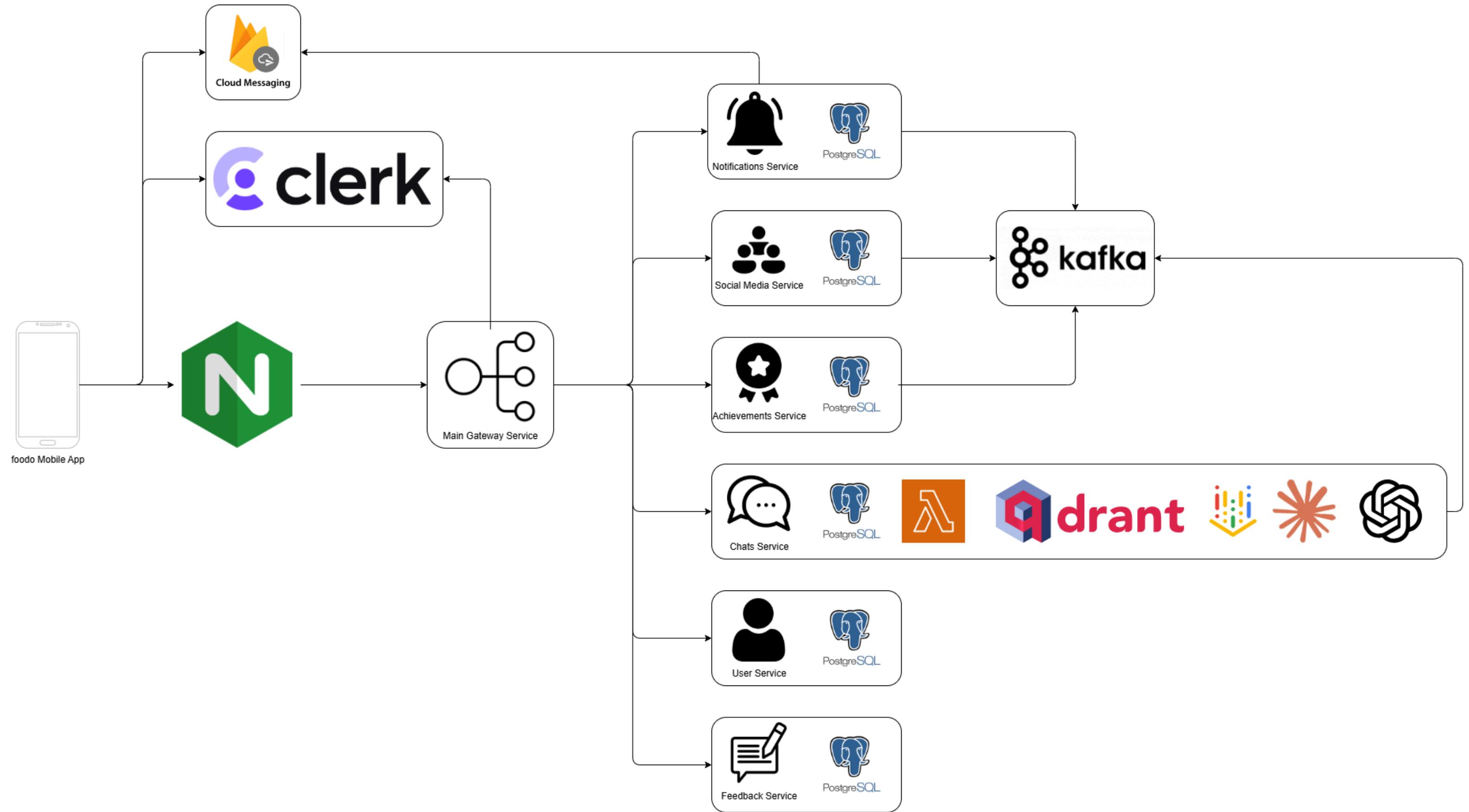
# The TWO Most Important Non-Functional Requirements:

**PR2:** The AI cooking assistant shall answer the prompts in **under 15 seconds** after receiving input, supporting smooth and prompt user engagement.

**PR3:** User-generated content, such as images in the social feed, shall load within **5 seconds** for **90%** of **20 requests**, ensuring smooth content interaction.



# Block Diagram





# Software Development Environment

Category	Technology/Framework
Programming Languages	Java, JavaScript, TypeScript, Go, Python
Frontend Development	React Native, Expo
Backend Development	Spring Framework, Nest.js, Gin
Authentication	Clerk
Database	PostgreSQL, QDrant
Messaging/Streaming	Kafka, Firebase Cloud Messaging
Cloud Services	AWS Lambda, AWS S3, AWS EC2
API Integration	OpenAI, Anthropic, Google Vertex AI
HTTP/S Server	Nginx





# Thank You!



**website**

foodo.cfd

**github organization**

github.com/foodohub