



# PICK MY DISH

*Your Personal Cooking Companion*

- Time-aware
- Mood-based
- Ingredient-aware

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## Intelligent Recipe Recommendation System

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### Team Members:

Kamdeu Yamdjeuson Neil Marshall (Backend & DevOps)  
Tuheu Tchoubi Pempeme Moussa Fahdil (Frontend & UI/UX)



## THE CHALLENGE



**Decision Fatigue**



**Limited Resources**



**Time Constraints**



**No Personalization**



## OUR SOLUTION



**AI Recommendations**



**Smart Filtering**



**Quick Planning**



**Mood-Aware**

## Intelligent Features for Seamless Cooking



**Mood  
Filtering**



**Smart Ingredient  
Matching**



**Time-Aware  
Planning**



**Recipe  
Sharing**



**Admin  
Dashboard**



**Personal  
Favorites**



**Offline  
Access**



**User  
Profiles**

## Modern Stack for Scalable Solutions

### Frontend



Flutter



Provider State



Material UI

### Backend



Node.js



Express.js



MySQL



JWT + Bcrypt



### DevOps & Tools



Git/GitHub



Jenkins

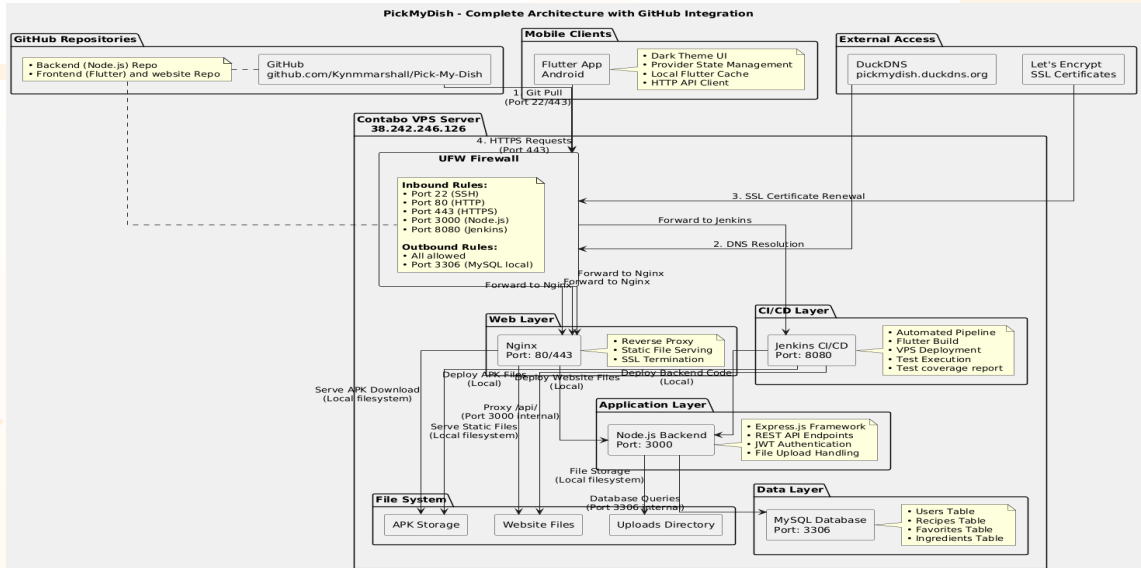


Nginx

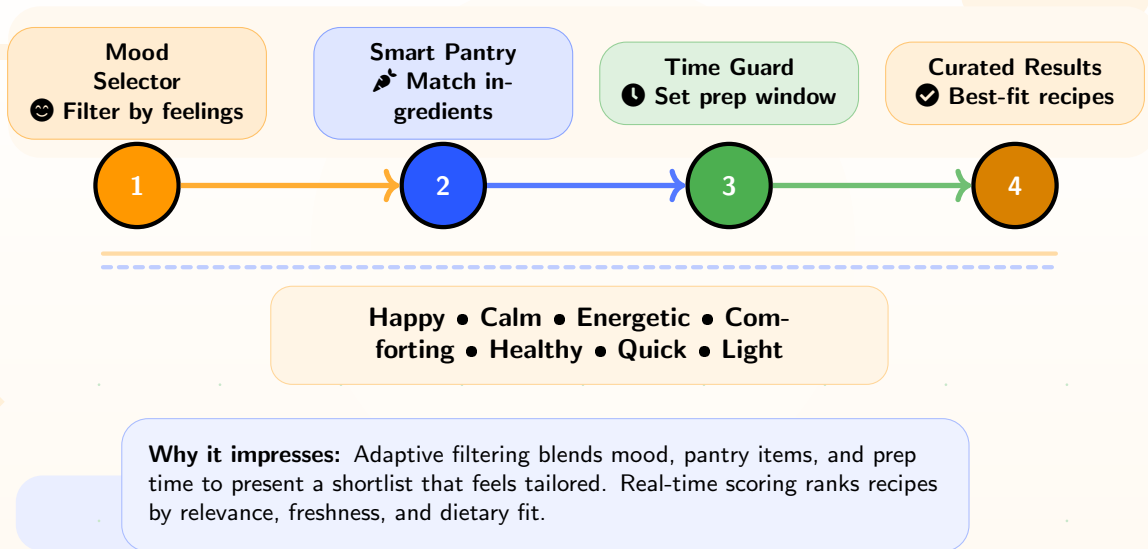


Contabo VPS

# System Architecture

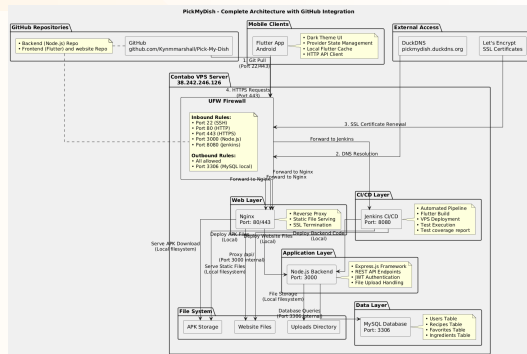


# User Flow: Mood-Based Recipe Discovery

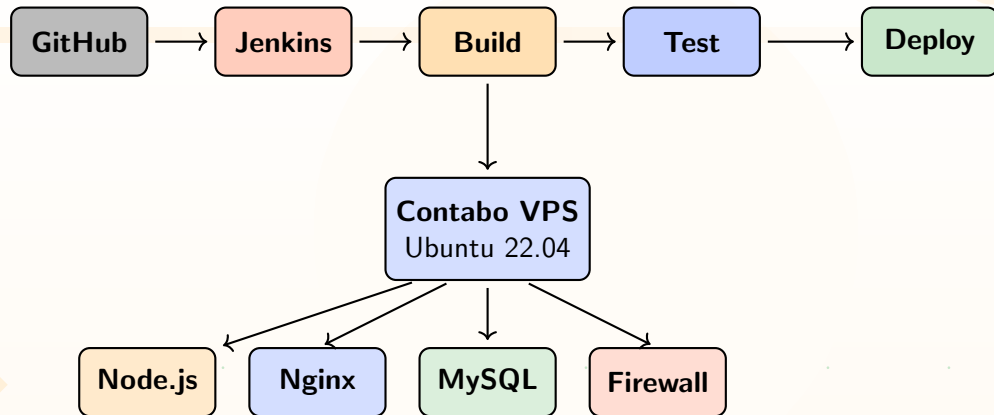


## Design Patterns

- **Provider Pattern**  
State management
- **Repository Pattern**  
Data abstraction
- **Singleton Pattern**  
Shared instances
- **Factory Pattern**  
Object creation



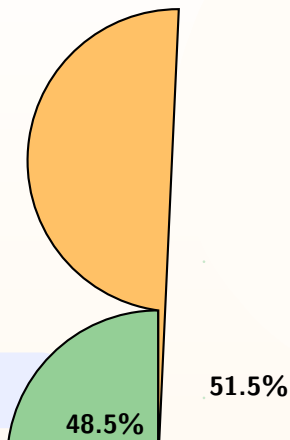
# Deployment & DevOps Pipeline



99.8% Uptime — CI/CD Automation — Real-time Monitoring



## Test Coverage



## Performance

Metric	Target	
Recipe Load Time	¡2s	
API Response	¡500ms	
Database Query	¡300ms	
Uptime	99.8%	

## Achievements

- Fully functional cross-platform app
- Secure authentication system
- Offline-first architecture
- Fast, responsive UI
- Automated deployment
- Comprehensive testing

## Future Enhancements

- AI-powered recommendations
- Multi-language support
- Advanced analytics
- Smart notifications
- Nutrition tracking
- Social sharing

# Thank You!

Questions?

