



PICK MY DISH

Your Personal Cooking Companion

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

Intelligent Recipe Recommendation System

Team Members:

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

The Problem & Our Solution



THE CHALLENGE



Decision Fatigue



Limited Resources



Time Constraints



No Personalization



OUR SOLUTION



AI Recommendations



Smart Filtering

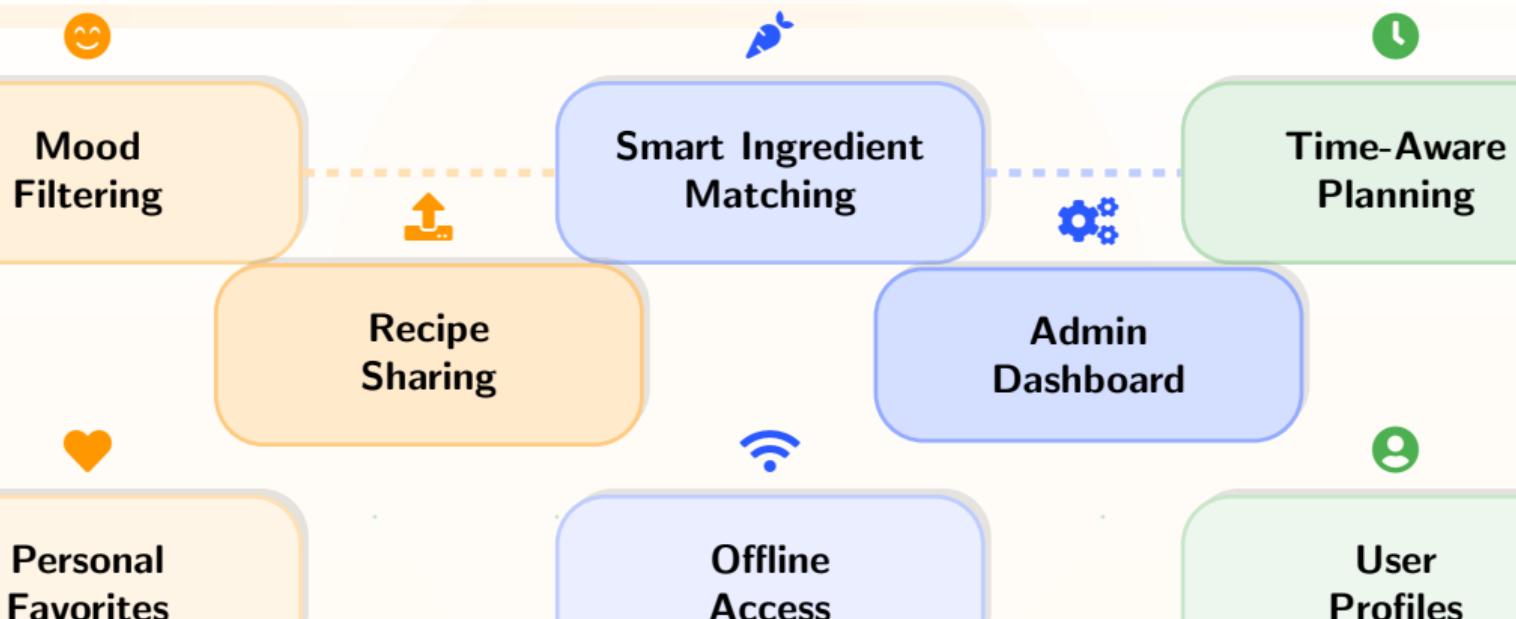


Quick Planning



Mood-Aware

Intelligent Features for Seamless Cooking



Modern Stack for Scalable Solutions

 Frontend

 Backend

 DevOps & Tools

 Flutter

 Node.js

 Git/GitHub

 Provider State

 Express.js

 Jenkins

 Material UI

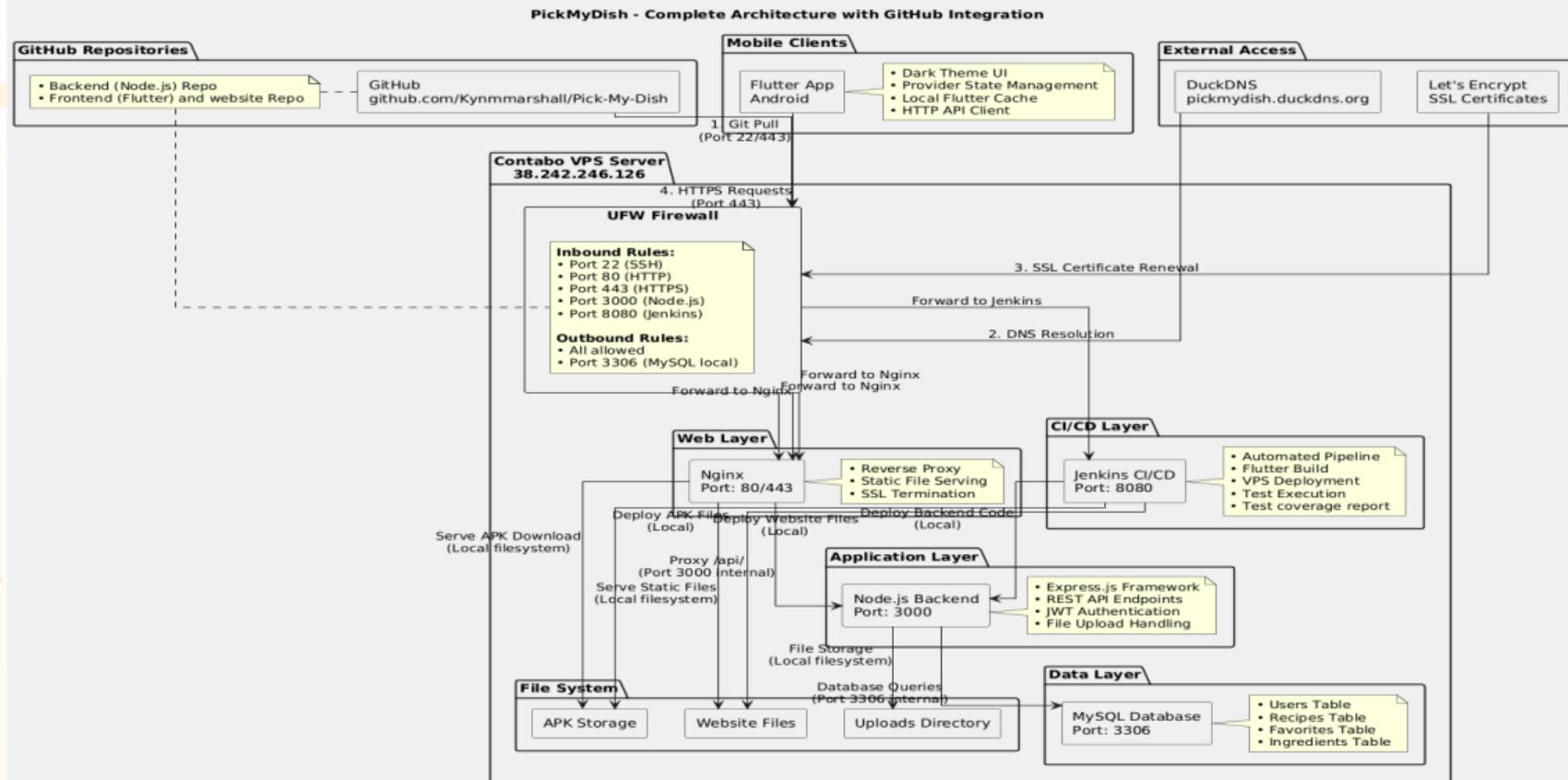
 MySQL

 Nginx

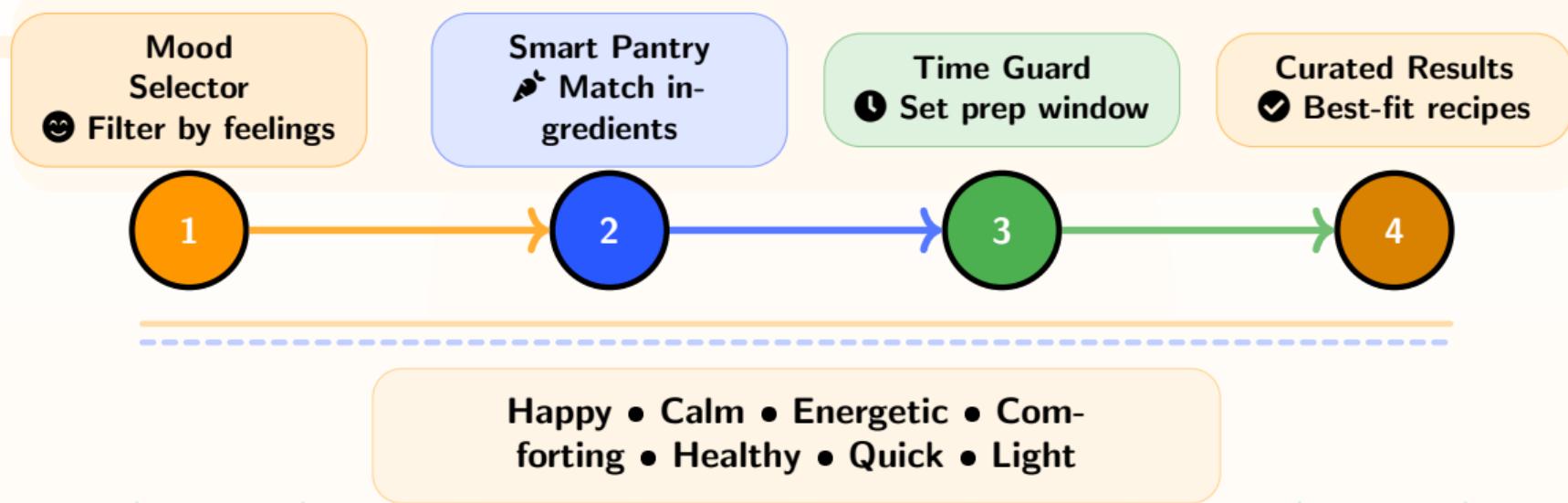
 JWT + Bcrypt

 Contabo VPS

System Architecture



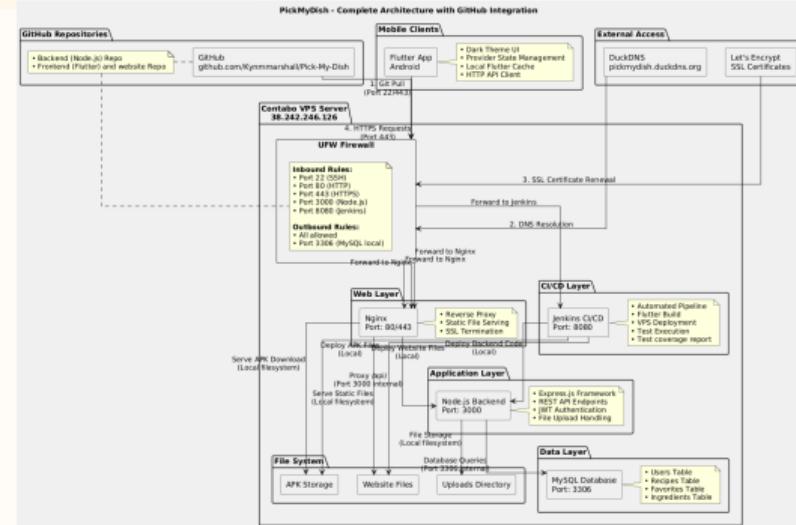
User Flow: Mood-Based Recipe Discovery



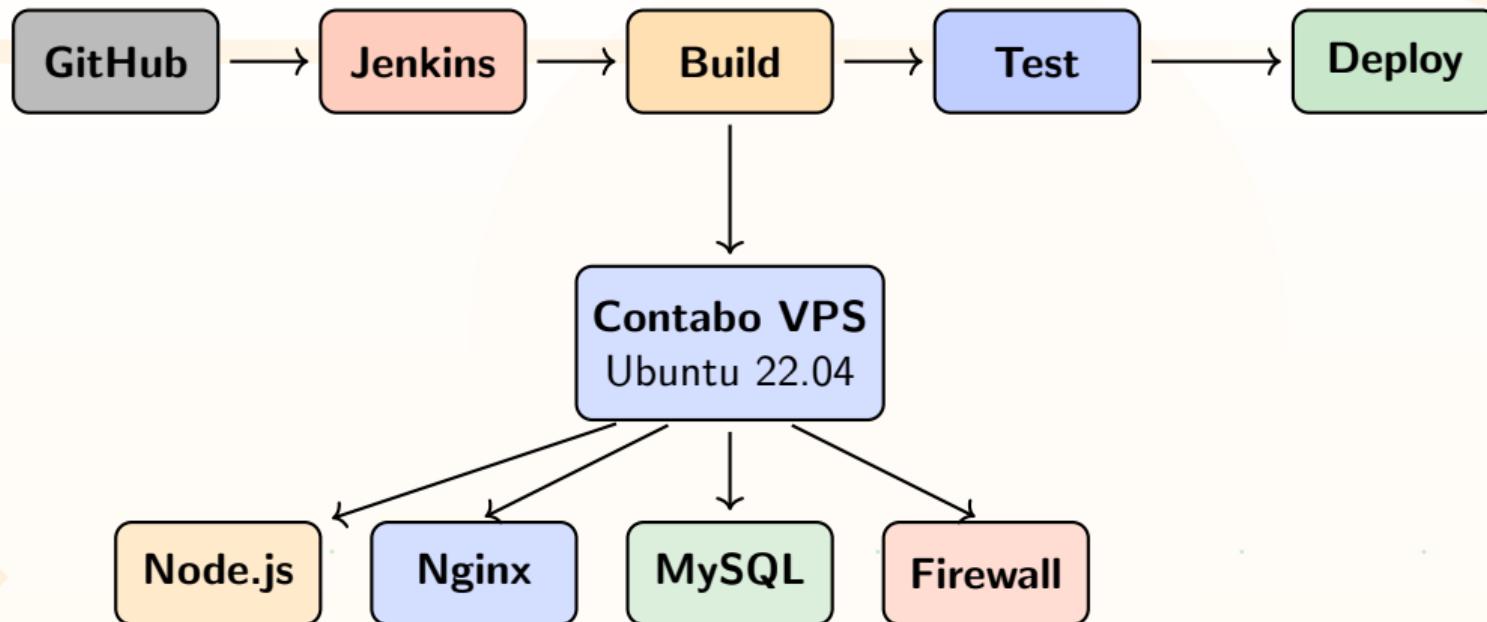
Why it impresses: Adaptive filtering blends mood, pantry items, and prep time to present a shortlist that feels tailored. Real-time scoring ranks recipes by relevance, freshness, and dietary fit.

Design Patterns

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

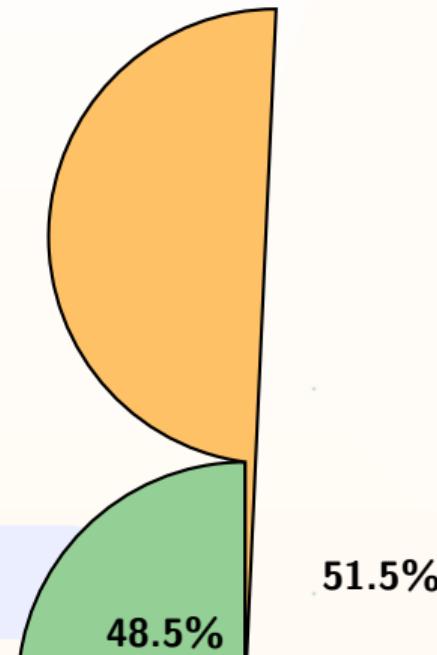


Deployment & DevOps Pipeline



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?

