# 📱 Mobile Fintech Dashboard

A professional React Native fintech dashboard application with modern UI/UX design, featuring transaction management, account overview, and theme customization.

Platform License Build

## ✨ Features

### 🔐 Authentication

* **Login/Register System** - Secure user authentication
* **Form Validation** - Real-time input validation
* **Error Handling** - User-friendly error messages

### 📊 Dashboard

* **Transaction History** - View and filter financial transactions
* **Account Balance** - Real-time balance display with trend indicators
* **Quick Actions** - Send money, receive payments, top-up options
* **Financial Overview** - Income, expenses, and savings tracking

### 🎨 User Experience

* **Dark/Light Theme** - Toggle between themes with smooth transitions
* **Responsive Design** - Optimized for all screen sizes
* **Native Navigation** - Smooth screen transitions and navigation
* **Professional UI** - Modern fintech-inspired design

### 📱 Mobile-First

* **Native Performance** - Built with React Native for optimal performance
* **Cross-Platform** - Runs on both Android and iOS
* **Offline Support** - Basic functionality available offline
* **Push Notifications** - Real-time transaction alerts

## 🚀 Quick Start

### Prerequisites

* **Node.js** 18+ ([Download](https://nodejs.org/))
* **React Native CLI** (npm install -g react-native-cli)
* **Android Studio** for Android development
* **Xcode** for iOS development (macOS only)

### Installation

1. **Clone the repository**

* git clone https://github.com/Markdcoder/mobile-fintech-dashboard.git  
  cd mobile-fintech-dashboard

1. **Install dependencies**

* npm install

1. **Start Metro bundler**

* npx react-native start

1. **Run on Android**

* npx react-native run-android

1. **Run on iOS** (macOS only)

* npx react-native run-ios

## 📦 Build APK

### Automated Builds (GitHub Actions)

Every push to the main branch automatically builds an APK. Check the **Actions** tab for build status and download links.

### Manual Build

# Clean build  
cd android  
./gradlew clean  
  
# Build release APK  
./gradlew assembleRelease  
  
# APK location  
# android/app/build/outputs/apk/release/app-release.apk

## 🏗️ Project Structure

mobile-fintech-dashboard/  
├── src/  
│ ├── components/ # Reusable UI components  
│ │ ├── Button.tsx  
│ │ ├── Input.tsx  
│ │ └── Badge.tsx  
│ ├── screens/ # App screens  
│ │ ├── AuthScreen.tsx  
│ │ └── DashboardScreen.tsx  
│ ├── contexts/ # React contexts  
│ │ └── ThemeContext.tsx  
│ ├── utils/ # Helper functions  
│ │ ├── helpers.ts  
│ │ └── mockData.ts  
│ └── types/ # TypeScript definitions  
│ └── index.ts  
├── android/ # Android-specific code  
├── ios/ # iOS-specific code (when added)  
└── .github/workflows/ # GitHub Actions  
 └── build-apk.yml

## 🛠️ Tech Stack

* **Frontend**: React Native, TypeScript
* **Navigation**: React Navigation 6
* **State Management**: React Context + Hooks
* **Styling**: StyleSheet (converted from Tailwind CSS)
* **Icons**: React Native Vector Icons
* **Build**: Metro, Gradle
* **CI/CD**: GitHub Actions

## 🎨 Screenshots

*Screenshots will be added after first release*

## 📱 Download

### Latest Release

* **Android APK**: [Download from Releases](https://github.com/Markdcoder/mobile-fintech-dashboard/releases)
* **Build Status**: Check [GitHub Actions](https://github.com/Markdcoder/mobile-fintech-dashboard/actions)

### Development Builds

Every commit to main triggers an automatic build. APK files are available as artifacts in the Actions tab.

## 🚧 Roadmap

* ☐ **iOS Support** - Complete iOS configuration and testing
* ☐ **API Integration** - Connect to real fintech APIs
* ☐ **Push Notifications** - Real-time transaction alerts
* ☐ **Biometric Authentication** - Fingerprint/Face ID login
* ☐ **Multi-language Support** - Internationalization
* ☐ **Advanced Analytics** - Spending insights and reports
* ☐ **Card Management** - Virtual and physical card controls
* ☐ **Investment Tracking** - Portfolio management features

## 🤝 Contributing

Contributions are welcome! Please feel free to submit a Pull Request.

1. Fork the project
2. Create your feature branch (git checkout -b feature/AmazingFeature)
3. Commit your changes (git commit -m 'Add some AmazingFeature')
4. Push to the branch (git push origin feature/AmazingFeature)
5. Open a Pull Request

## 📄 License

This project is licensed under the MIT License - see the <LICENSE> file for details.

## 👨‍💻 Author

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## 🙏 Acknowledgments

* React Native community for excellent documentation
* Fintech design inspiration from modern banking apps
* Open source contributors and maintainers

**📱 Ready to transform your financial experience? Download the APK and get started!**

[⬇️ Download APK](https://github.com/Markdcoder/mobile-fintech-dashboard/releases) • [🐛 Report Bug](https://github.com/Markdcoder/mobile-fintech-dashboard/issues) • [✨ Request Feature](https://github.com/Markdcoder/mobile-fintech-dashboard/issues)