Healthcare Workflow Management

Introduction:

We developed a mobile healthcare management app in React Native to digitize and streamline workflows for integrative medical and wellness clinics. The app eliminates manual paperwork by centralizing scheduling, patient records, telehealth, forms, messaging, billing, inventory, and more into a single, HIPAA-compliant mobile platform.

Client Details:

Name: Confidential | **Industry:** Healthcare | **Location:** USA

Technologies:

Technology: React Native, TypeScript, Redux-toolkit

IDE: Xcode, Visual Studio, Android Studio

Third-party Libs: react-native-firebase, react-native-gifted-chat, react-native-mmkv, react-native-signature-canvas, react-native-calendars, react-native-push-notification, rrule, datadog/mobile-react-native

Packaging: Homebrew, Watchman, npm

Backend Tech-Stack: Java, Spring MVC, JSP, JQuery, MySQL

Healthcare Workflow Management

Project Description:

The application is a fully integrated mobile platform empowering clinics with digital operations, secure patient engagement, and real-time clinical tools.

Scheduling & Reminders

- Calendar for patient appointments and practitioner schedules
- Push notifications for reminders, and telehealth sessions
- Dynamic time zone handling for multi-location practices

Digital Clinical Workflows

- Custom intake forms and pre-appointment questionnaires
- Rapid charting & SOAP notes with customizable templates
- E-prescribing and integrated lab orders

Patient Communication & Engagement

- In-app messaging for patient-provider communication
- Secure telehealth/video chat sessions (HIPAA-compliant)
- Patient portal access for document uploads, forms, and educational materials
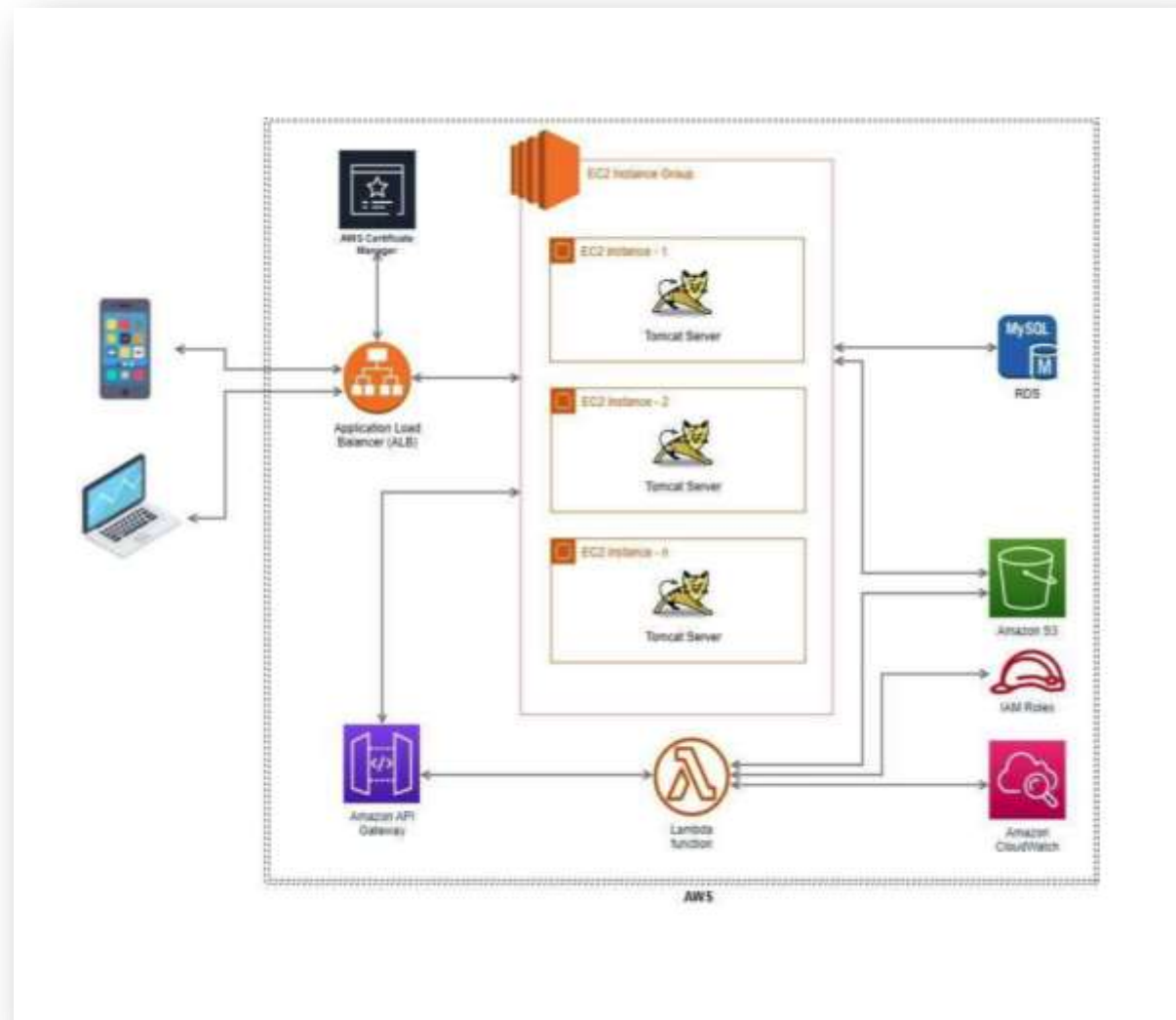
Billing, Inventory & Integrations

- Integrated payment processing for service fees and inventory sales
- Digital superbills, insurance billing support (EOBs, claim forms)
- Inventory and purchase order management

Security & Compliance

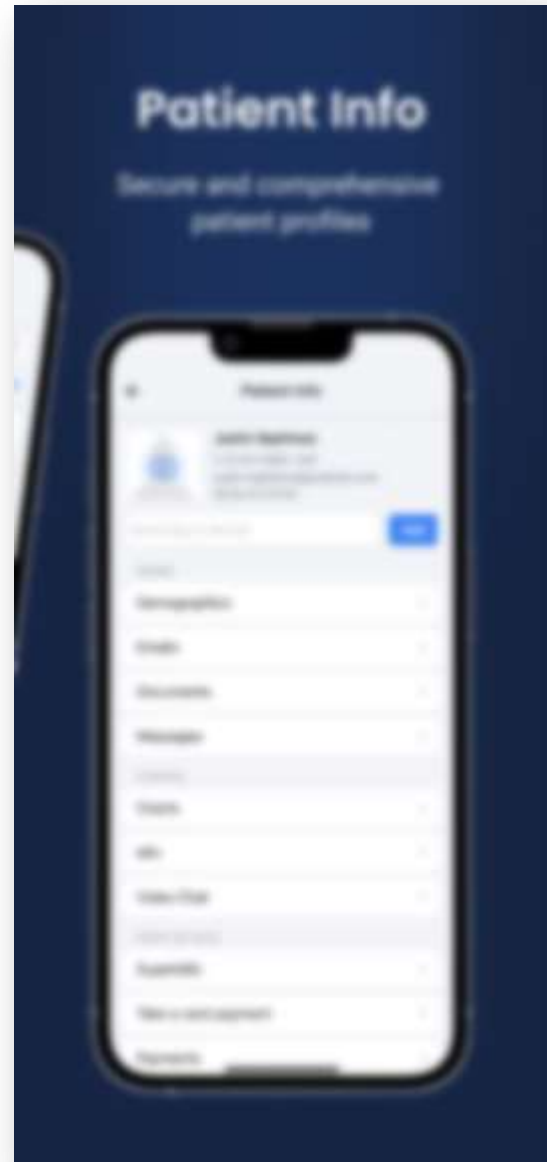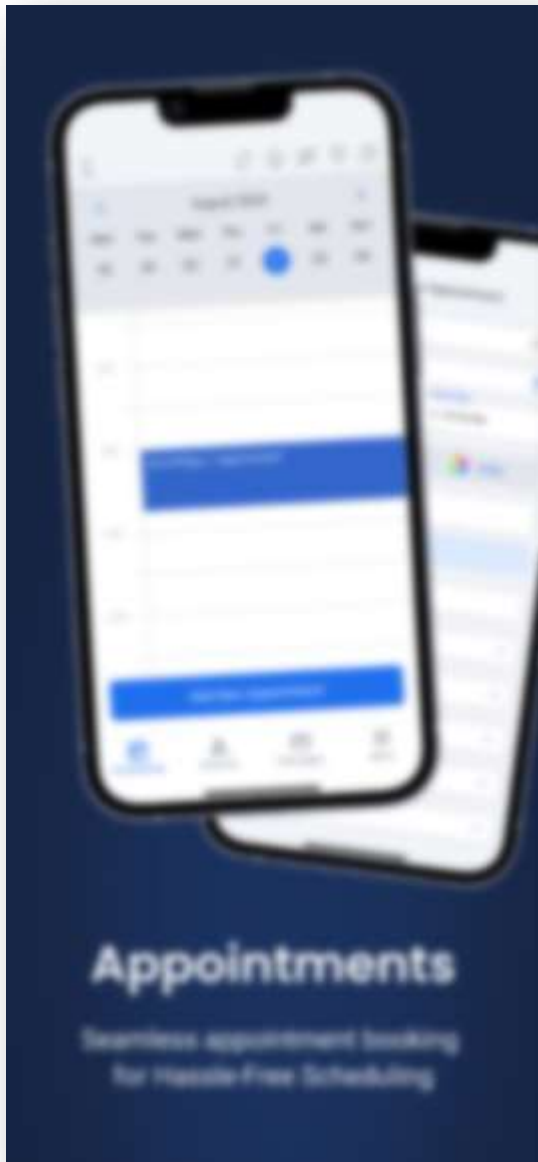- Robust data encryption and HIPAA compliance

Healthcare Workflow Management

Architecture Diagram:

Healthcare Workflow Management

Screenshots:

Healthcare Workflow Management