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Thoughts • Ideas • Products

iBaaS

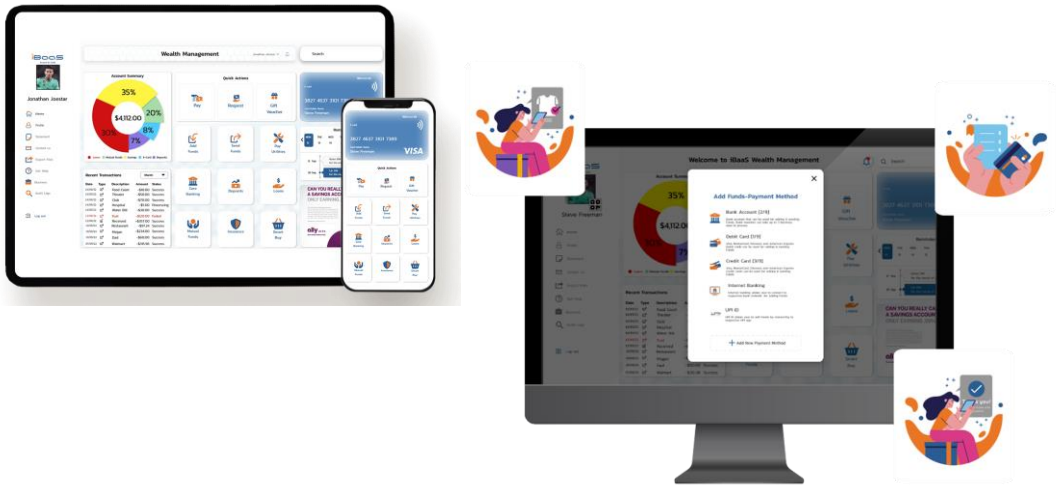
iBaaS – Blockchain as a Service

Overview:

iBaaS is an emerging blockchain technology application leveraging proprietary blockchain features to build customized solutions across:

☐ FinTech ☐ Real Estate ☐ eCommerce ☐ Retail ☐ Healthcare domains.

The scope is to digitalize money and utilize blockchain technology in all functional features



Technology Stack:

ReactJS, Redux, Java Micro Services, Corda, Crypto API, AWS, Postgresql

Solution:

- ✓ Build enterprise-wide, end-to-end system to manage and ingest of tokens for on-demand business needs through the blockchain as a service (BaaS) specification
- ✓ Comprehensive automated work-flow management engine with smart contract functionality
- ✓ Seamless integration with third party systems, databases across domains say FinTech, Real Estate, eCommerce, Healthcare etc.

Individual [B2C] / Business [B2B]

FinTech

Add Funds, Send Funds, Buy Crypto, Pay Utilities, Gift Vouchers, Banking , Loans, Mutual Funds, Deposits

Real Estate

Add Digital Money, Browse Assets, Buy Asset, Sell Asset, Manage Asset, Approve Prospects, Upload Assets, Payouts, Refunds

eCommerce

Browse eCommerce Sites, Pay Order, BNPL, Receive Orders, Payouts, Refunds

Healthcare

Patients Data, Streamline Care, Genomics, Research & Clinical Trials

Admin

System Settings

Agreements, Account Limits, Fees, Payment Gateways, Banking Gateways, Product Catalogue

Dashboard

Business Payouts, Reserve Payouts, Commission Receivables, Retail Orders, Transaction Summary, Underwriting

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iBaaS Application - Overview

Client Device

iBaaS Application Domains

- FinTech
- Real Estate
- eCommerce
- Healthcare

Transactions

- Account Onboarding
- Pay / Buy / Send / Exchange / Lend
- eCommerce Orders / Refunds
- Business Payouts / Reserve
- Commission Payouts
- Asset Monetization / Management
- Health Information Exchange
- Product Catalog

Micro Services

- Service layer decoupled from UI applications and Blockchain
- Feature specific Micro services
- Cloud ready architecture
- Containerization enables CI/CD
- Flexible in White labeling

Dev Ops

- VPC, Subnets, Security groups, NAT gateway, Router creation
- ECS, WAF, Amazon GaurdDuty, NTP, Openvas, Elastisearch, Filebeat configuration

iBaaS Features - Individual [B2C] / Business [B2B]

Onboarding

- Signup
- Phone Authentication
- Email Authentication
- Agreements

Login

- Sign-in
- Forgot Password
- Forgot Email
- Password Expired
- Agreement Acceptance
- Two Step Authentication

Account Setup

- Two Step Authentication
- Identity Verification
- Payment Method
- Digital Wallet

Business Setup

- Company Information
- DBA Information
- Business Owners
- Payment Method
- Business Agreements
- Reserve Acceptance
- Digital Wallet

Business Activity

- Activity Dashboard
- Orders Summary
- Business Payout
- Reserve Payout
- Refunds

Profile

- User Details
- Preference
- Account Limits / Fees
- Agreements
- Payment Methods
- Business Accounts
- Business Team

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iBaaS Fintech Features - Individual [B2C] / Business [B2B]

Dashboard	Quick Actions	Add Funds	Send Funds	Crypto	Utilities
✓Account Summary • Quick Actions • e-Card • FinTech Features • Reminders • Recent Transactions • Advertisements	✓Pay • Request • Gift Voucher	✓Bank Account • Debit Card • Credit Card • Internet Bank • UPI ID	✓Domestic Bank • Debit Card • Credit Card • Mobile Number • UPI ID • International Bank	✓Buy • Sell • Exchange • Trade	✓Utilities Summary • Register / Deregister • Standing Instruction • Pay

Banking	Deposits	Loans	Mutual Funds	Insurance
• Account Summary • Open Account • Request – Cheque, DD • Enquire – Statement	✓Deposits Summary • Fixed Deposits • Recurring Deposits • Renew • Terminate	✓Loans Summary • Crypto • Personal • Renew • Close • Part Payment	✓Mutual Funds Summary • Browse • Buy • Sell • SIP	• Insurance Summary • Browse • Buy • Pay Premium • Renew

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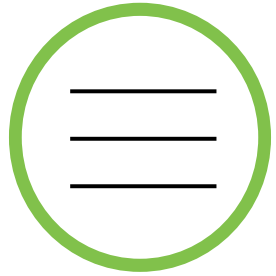
iBaaS Retail Features - Individual [B2C] / Business [B2B]

Dashboard

- Top Offers
- Value Finds
- Quick Actions
- Retail Features
- Reminders
- Recent Transactions
- Advertisements

Quick Actions

- Repeat Orders
- Add Funds
- Manage Catalog
- Track Order
- Refunds

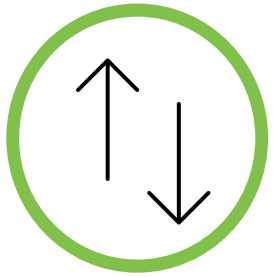


Product Catalog

- Categories
- Pricing
- Vendors
- Logistics
- Agreements

Shopping Cart

- Browse
- Compare
- Review
- Select



Order

- Cart Summary
- Delivery
- Pay
- Smart EMI / BNPL
- Repeat Order

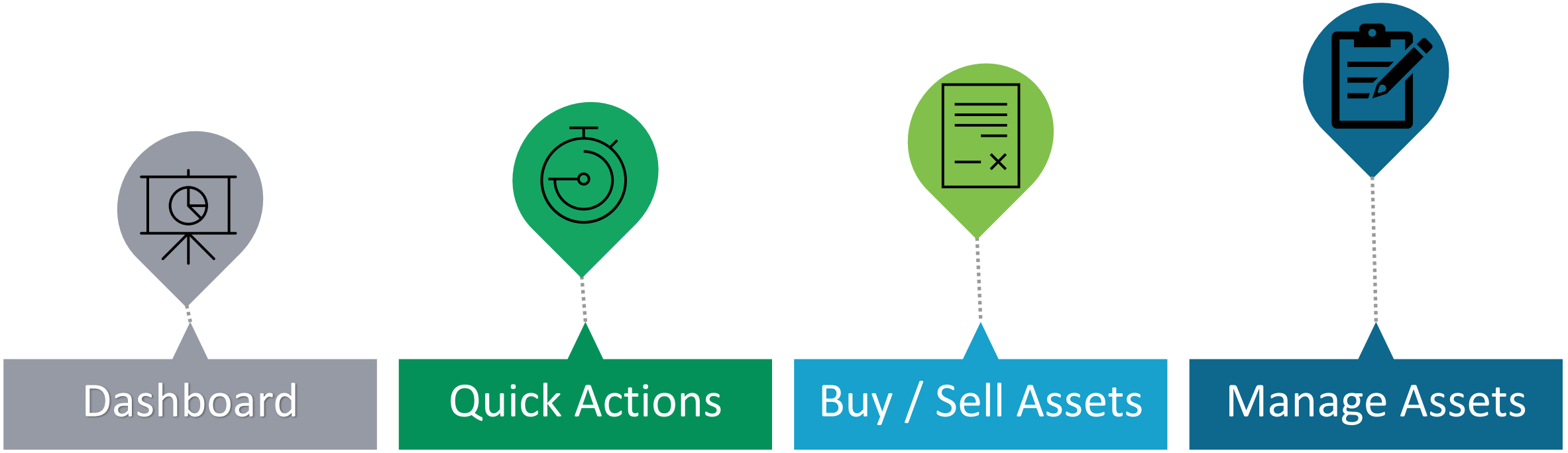
Payouts

- Scheduled
- Instant

Reserve

- Scheduled
- Instant
- Hold

iBaaS Real Estate Features - Individual [B2C] / Business [B2B]



Dashboard

- Asset Summary
- Quick Actions
- Available Assets
- Real Estate Features
- Reminders
- Recent Transactions
- Advertisements

Quick Actions

- Browse Assets
- Request–Site Visit, Quote
- Add Funds
- Publish Asset
- Track
- Accept

Buy / Sell Assets

- Select Asset
- Sign Agreements
- Pay – eWallet, Loan
- Receive Money
- Release Asset
- Secure Agreements

Manage Assets

- Lease
- Rent
- Maintenance
- Remit

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iBaaS eCommerce Features - Individual [B2C] / Business [B2B]

Dashboard

- Business Summary
- Quick Actions
- e-Card
- eCommerce Features
- Reminders
- Recent Transactions
- Advertisements

Quick Actions

- Pay Orders
- Refund

Add Funds

- Bank Account
- Internet Bank

Send Funds

- Domestic Bank

Smart Buy

- Browse
- Buy
- Repeat Order
- BNPL

Payouts

- Scheduled
- Instant

Reserve

- Scheduled
- Instant
- Hold

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iBaaS Healthcare Features - Individual [B2C] / Business [B2B]

01

Dashboard

- ✓ Patient Summary
- ✓ Quick Actions
- ✓ Heath Card
- ✓ Healthcare Features
- ✓ Reminders
- ✓ Recent Transactions
- ✓ Advertisements

02

Secure Patient Data

- ✓ Store Patient Information
- ✓ Hospital Statement

Healthcare

Streamline Care

- ✓ Patient Monitoring
- ✓ Health Record Keeping

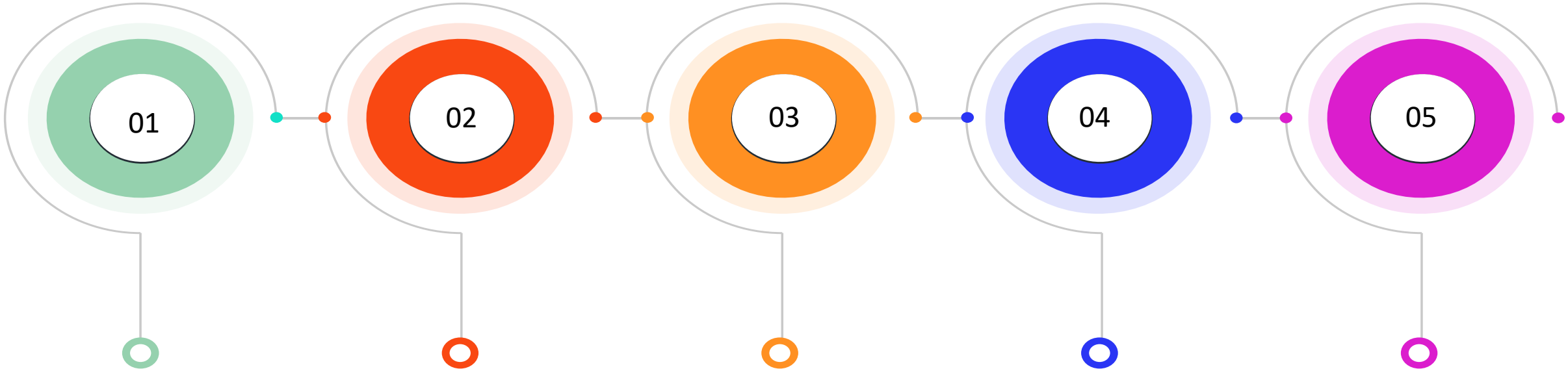
04

Clinical Trails

- ✓ Identification of false content
- ✓ Overhead expenses

03

iBaaS Admin Features



Onboarding

- ✓ Signup Admin Users
- ✓ Phone Authentication
- ✓ Email Authentication
- ✓ Agreements

Login

- ✓ Sign-in
- ✓ Forgot Password
- ✓ Forgot Email
- ✓ Password Expired

System Settings

- ✓ Agreements
- ✓ Account Limits
- ✓ Processing Fees
- ✓ Payment Gateways
- ✓ Reserves
- ✓ Access Controls

Underwriting

- ✓ Individual
- ✓ Business
- ✓ Vendors
- ✓ Logistics

Admin Activity

- ✓ Activity Dashboard
- ✓ Orders Summary
- ✓ Commissions
- ✓ Business Payout
- ✓ Reserve Payout
- ✓ Orders Refund
- ✓ Profiles
- ✓ Transactions

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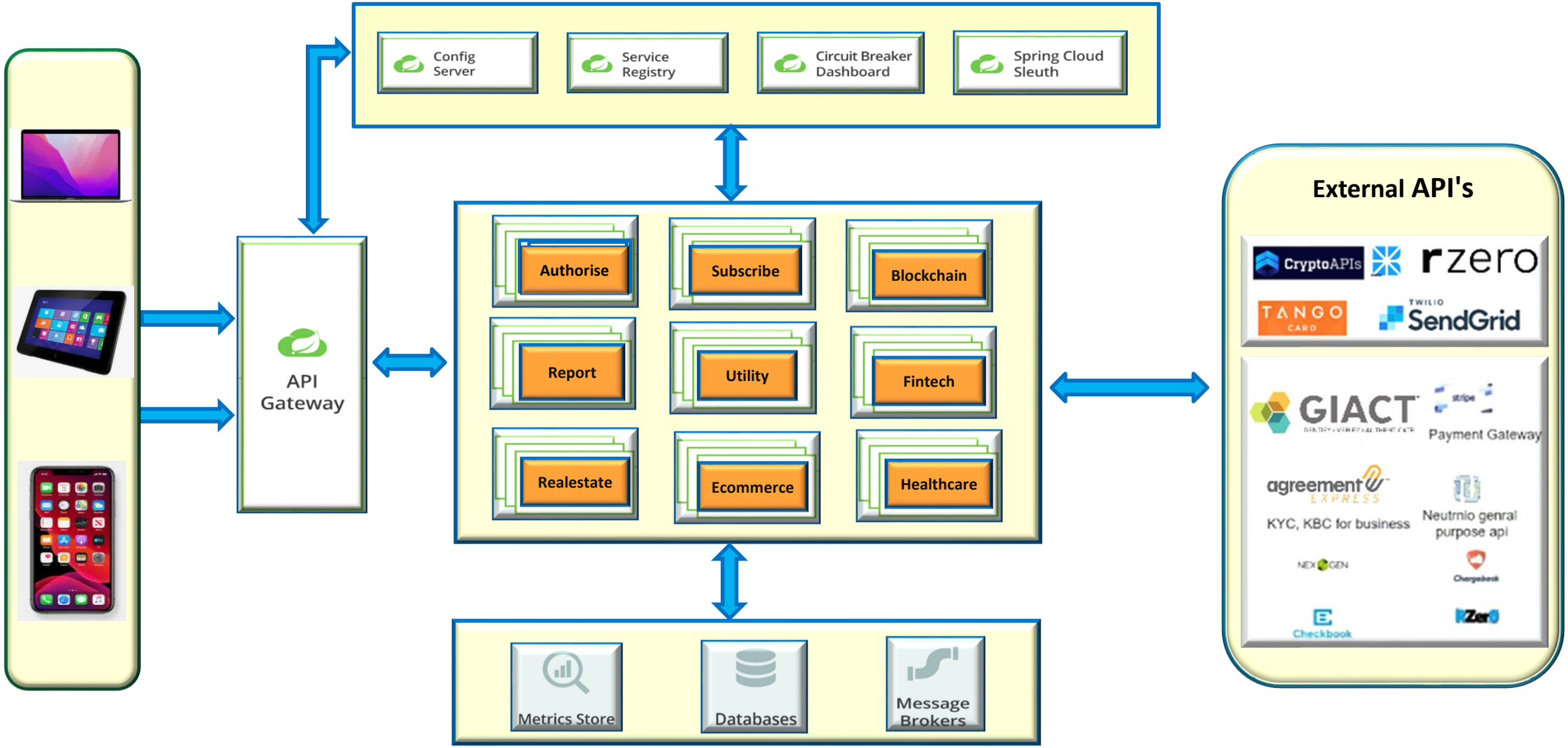
iBaaS Microservices Architecture



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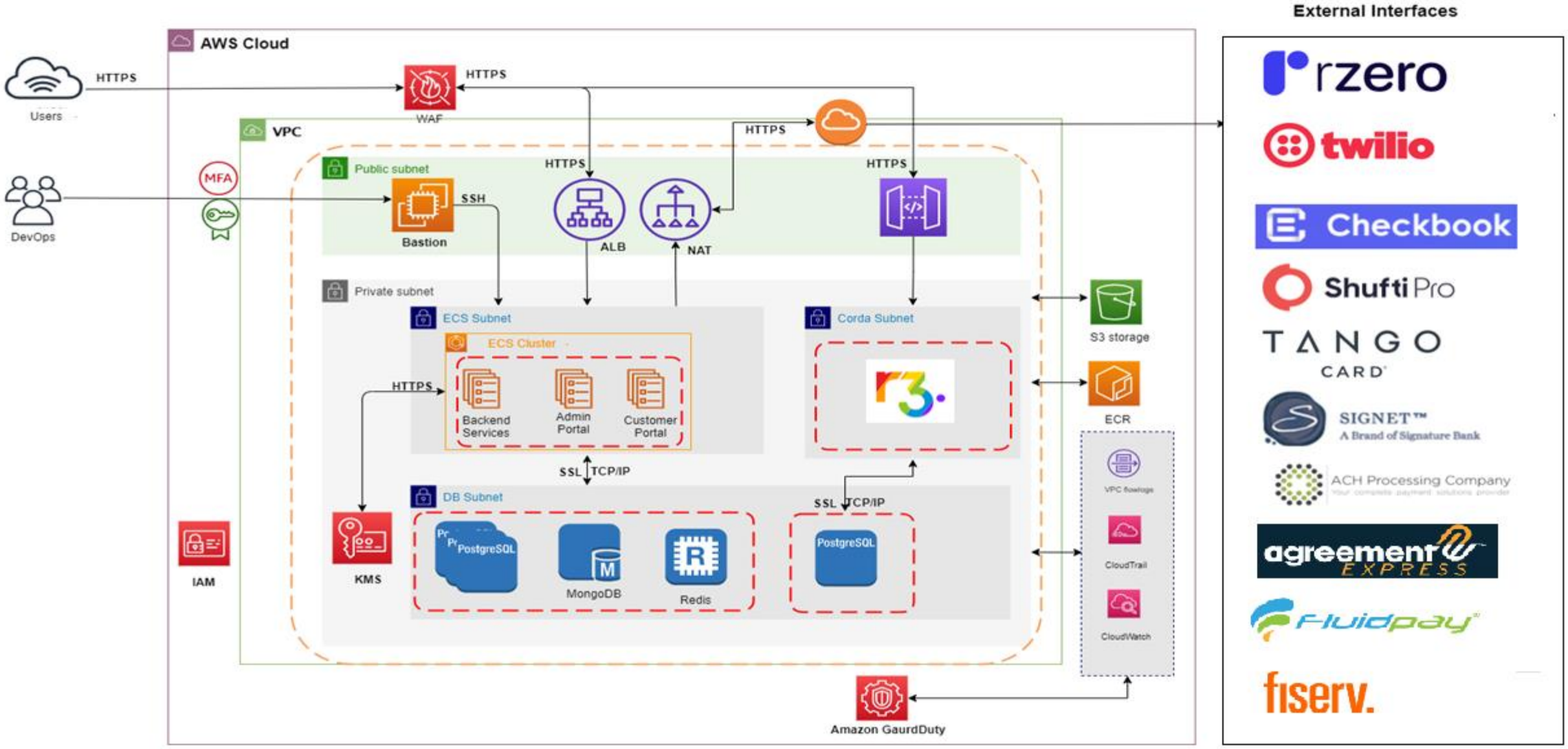
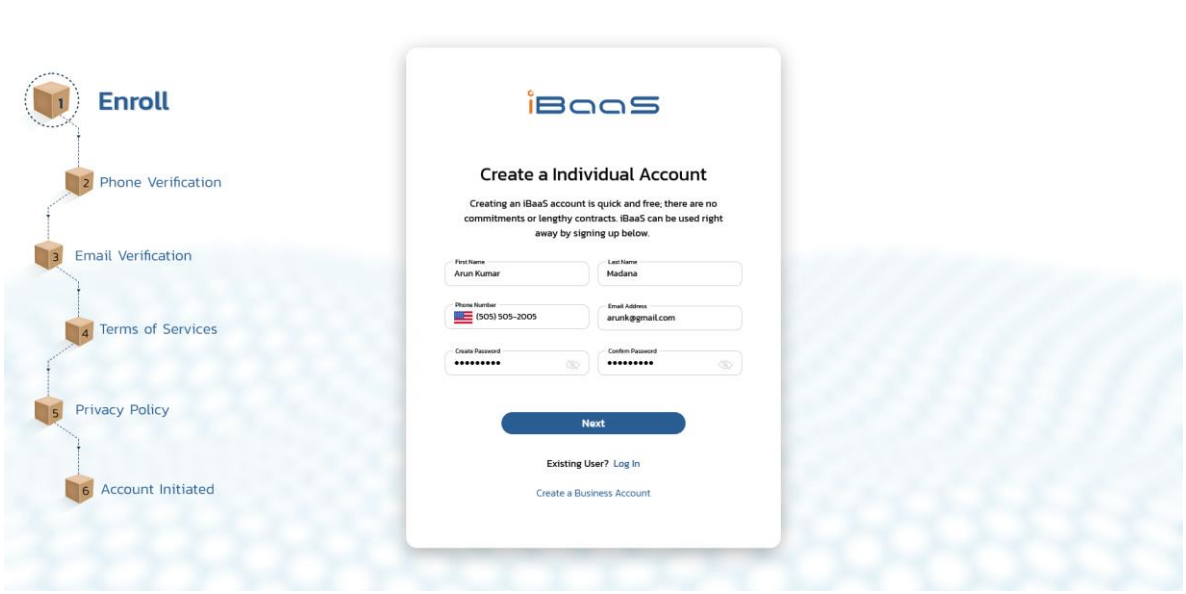
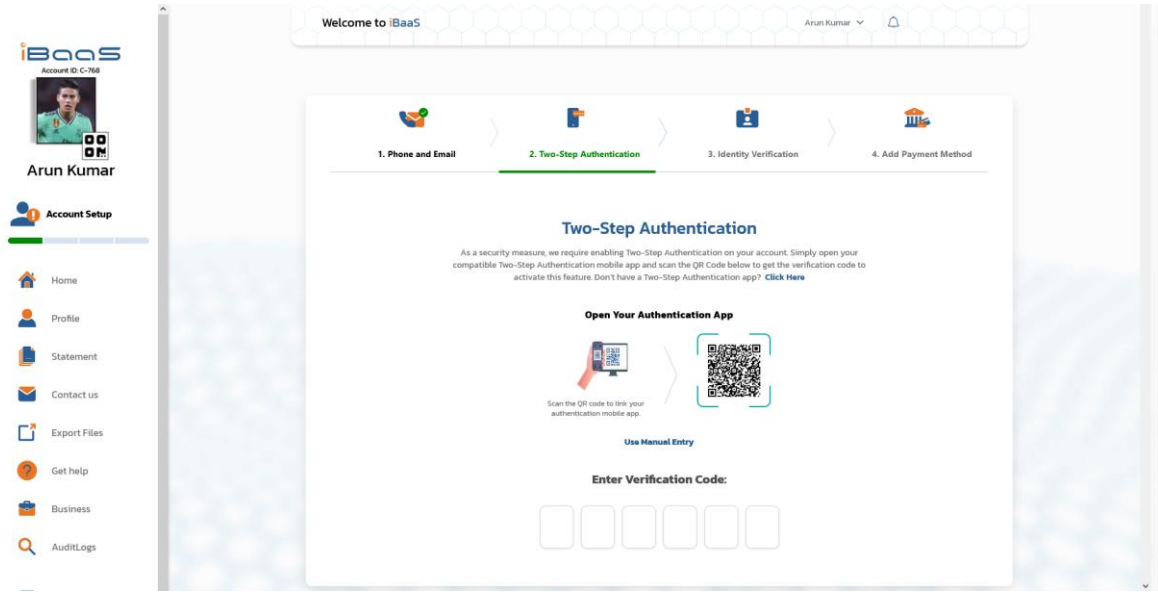
iBaaS Deployment Architecture



iBaaS – Reference Screens





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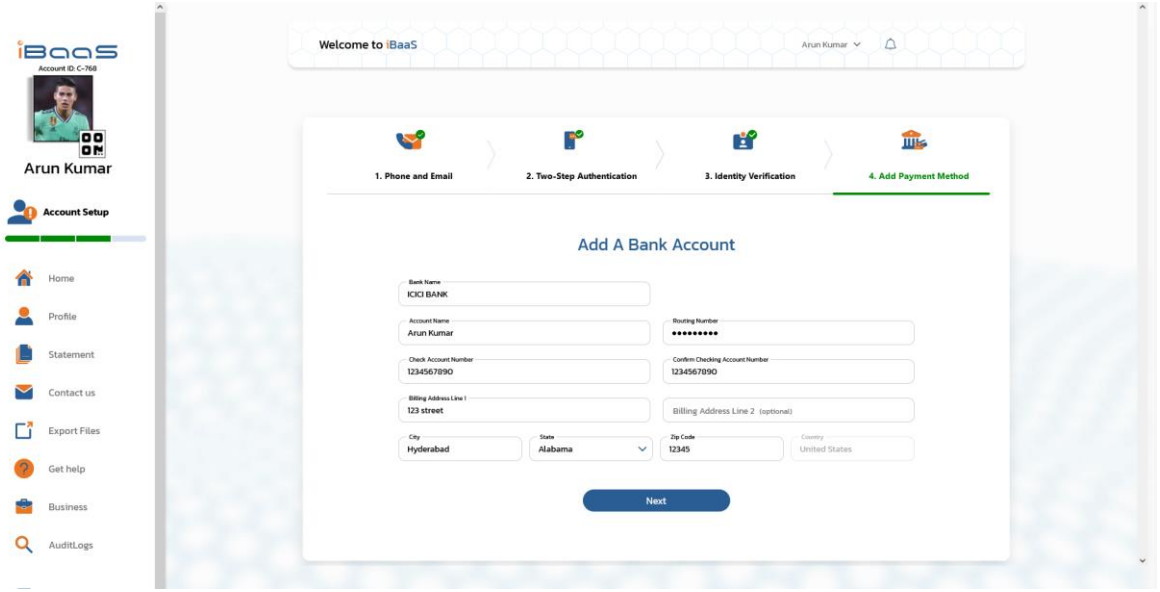

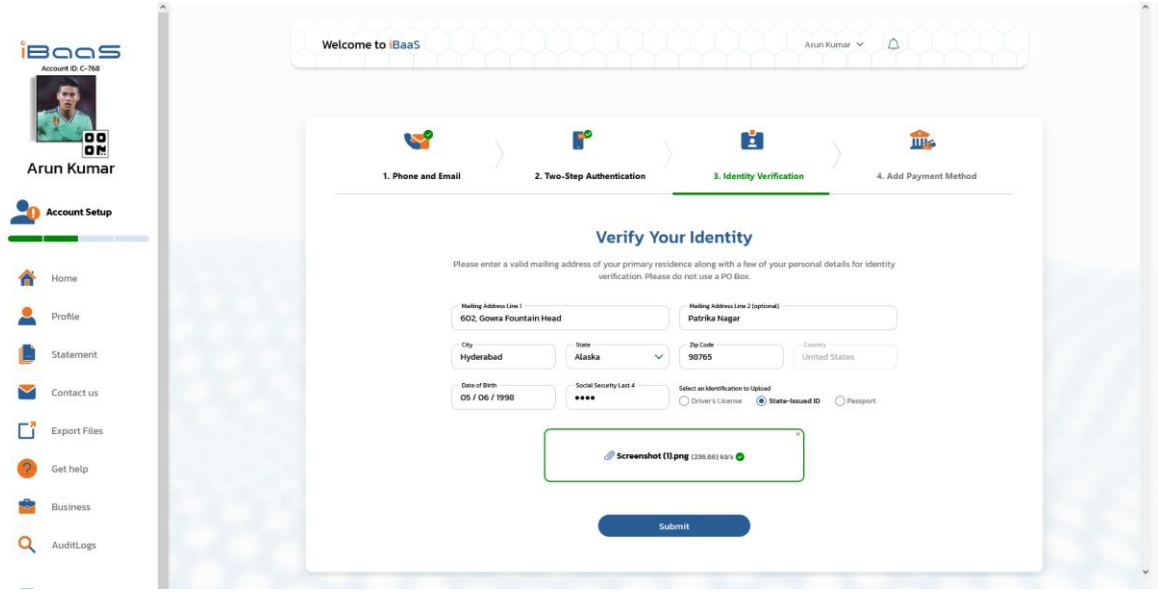

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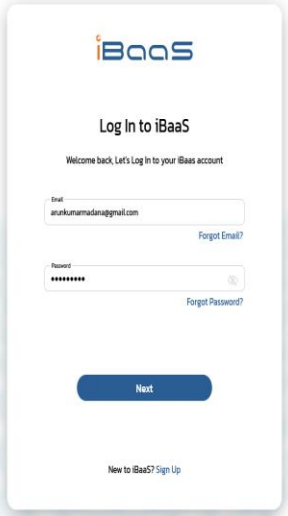

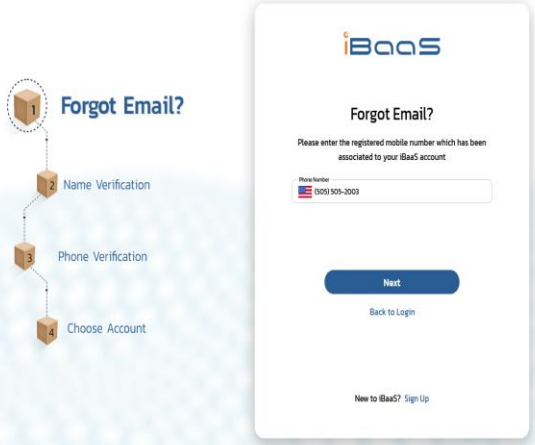

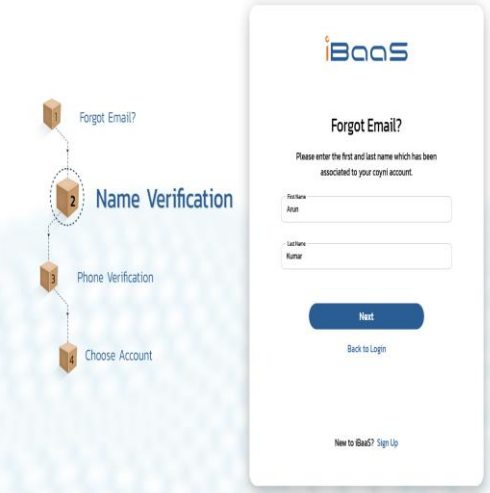

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Contact:

ideyaLabs Team