

Nhan Cao

Technical Architect
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Abstract

I am a senior developer with over 10 years of full-stack experience.

A forward-thinking man passed several positions with wide knowledge cover almost every aspect of the IT field, design a solution that fulfills the information and data architecture requirements. These technologies cover the entire life cycle of design, development, testing, deployment, maintenance, performance tuning, and user support.

HIGHLIGHTS

- ◆ Good logical thinking skills.
- ◆ Known for writing efficient, maintainable, and reusable code.
- ◆ Proficient in programming patterns and principles, algorithms, data structures, problem-solving, and debugging.
- ◆ Eagerness to embrace scalability, reliability, and performance challenges.
- ◆ Positivity and responsibility in words, communication, and feedback.
- ◆ Time balance and creative management.
- ◆ Passion for building products that users love.
- ◆ Experienced in software design and application architectures with high security and performance optimization.
- ◆ Strong at source code management, continuous integration, and continuous deployment.
- ◆ Experienced and good knowledge of full-stack development e.g web front-end, backend-end to mobile and system.
- ◆ Experienced in modern knowledge about Machine Learning, Artificial Intelligence, and Blockchain.

Background

- ★ B.Ce. (Honors) (Sept. 2010 - June. 2015): Computer Engineering, University of Information Technology, VNU-HCM, Vietnam.

⭐ GPA: 3.84/4 (Rank: 1/120). Thesis score: 9.7/10 with topic SmartHome with Zigbee network.

⭐ Completed the Data Science Course (Nov 26, 2018 - Jan 29, 2019), Dr. Tran Anh Tuan, Department of Maths & Computer Sciences, HCMUS.

Award

- 🏆 UIT Scholarship - 2010, 2011, 2012, 2013, 2014 - ranking Very Good
- 🏆 Consolation Prize in National Olympic Contest for IT Student - 2012
- 🏆 VNPT Scholarship 2012
- 🏆 Nguyen Thai Binh Scholarship 2013
- 🏆 POSCO ASIA Fellowship 2013
- 🏆 JENESYS 2.0: JICE (Japan International Cooperation Center) 2014
- 🏆 First Prize of UIT-ACM 2nd 2014
- 🏆 First Prize of "Code to 23:00" competition - 2014
- 🏆 Best Article Prize: Control smart home device by Infrared rays on android was public on Young Scientists Conference UIT 3rd, 2014
- 🏆 Consolation Prize in National Olympic Contest for IT Student 2014
- 🏆 Students of 5 merits of Ho Chi Minh city 2014
- 🏆 Get highest honor of Computer Engineering Faculty in 20/06/2015

Publication

- 🏆 Best Article Prize: Control smart home device by Infrared rays on android was public on Young Scientists Conference UIT 3rd, 2014

Certification

- ⭐ The 2012 ACM-ICPC Programming Contest Asia Hanoi Regional
- ⭐ POSCO Asia Fellowship 2013
- ⭐ The 2013 ACM-ICPC Programming Contest Asia Danang Regional
- ⭐ Habitat for Humanity International - VietNam 2014
- ⭐ JENESYS 2.0 - 2014
- ⭐ Agile Software Development with Scrum - 2014

- ⭐ The 2014 ACM-ICPC Programming Contest Vietnam National Round
- ⭐ AWS Certified Developer - Associate: <http://bit.ly/nhancv-dva>
- ⭐ AWS Certified Solutions Architect - Associate: <http://bit.ly/nhancv-saa>
- ⭐ AWS Certified Solutions Architect - Professional - <http://bit.ly/nhancv-sap>
- ⭐ Upwork Skill Certification - Javascript Back-end Development

Experience

24/02/2015 – 31/12/2015

Android Developer

Left Coast Logic, VietNam

Description: Develop and maintain the E-commerce products for Japan market on Android mobile and table: Loyalty Program, Lottery, Save or Exchange Point, Payment, NFC, BLE/Beacon

Application

- Android merchant: This application installed on a tablet for merchant to manage employees and booking from user
- Android user: This application installed on a phone for user to book and save point

01/01/2016 – 01/05/2016

Software Consultant

Society for Health Information Systems Programmes, India (On site)

Description: Support technical issues, development tasks, technical tasks, helping in recruitment of new people, building of systems and rules, clean system code, support and solve stuck in team, supervisor role

Application

- DHIS2 Core: Support implement to get security certificate
- DHIS2 Report: Support team to solve stuck in development
- DHIS2 Android capture: Implement android project for data capture

01/05/2016 – 01/08/2016

Senior Android Developer

RWD.sg, Singapore

Description: Develop android application to get cheapest price on market

Application

- Android wise price: Get cheapest price on market using almost Amazon web services such as DynamoDB, S3, SES, SNS, Mobile Hub, Cognito and Lamda

01/04/2017 – 01/01/2018

Software Consultant

Society for Health Information Systems Programmes, India (Remote)

Description: Provide consultancy service to HISP regarding Software Development on various projects located outside India

Application

- DHIS2 Android capture: Implement android project for data capture

27/08/2016 - 01/05/2020

R&D Mobile

Beesight Soft, Vietnam

Description: Team leader, scrum master, support, research and development, pilot and transfer to development

Training members

- Android native
- React native
- Flutter
- AI & ML

R&D

- WebRTC
- Kurento media server
- XMPP with Ejabberd
- OpenCV
- Blockchain
- Ethereum smartcontract
- Omni USDT exchange
- Face recognition
- Face id
- Chat bot
- Recommendation system
- oVirt cloud KVM virtualization
- BPMN with Zeebe

Application

- Android FitAccess: Application for gym, apply chat using XMPP
- Android Socialoop: Social network, video effect
- Android FeedMe: Exchange point, delivery
- Android Tacko: Implement an online exchange market
- React native Kawan Cicil: Instalment plan
- React native Hanshan: Exchange money
- React native Matme: Social network
- React native Taxbase: Personal Tax management
- Blockchain MVP: Medical testing management using Hyperledger Fabric
- Flutter Beemon: Project monitor
- Android Getogeda: Realtime game about face mask, video call, effect on voice
- Android Moblize: Social network, oil and gas tracking

01/05/2020 - present

Freelancer

Upwork Inc.

Description: Mobility Architect - Flutter, React Native Team Up With AWS.

<https://www.upwork.com/f1/nhancy>

Professional Skills

FLUTTER (Dart)

→ Keywords: nft, npreferences, sqflite, cookiejar, adapting screen, intl, provider, dio, custom paint, mockito, flutter test, widget test, Bitrise, AppCenter, AWS

→ Case study: Twilio chat, WebRTC, SIP, Mux, RTMP publisher, RTMP viewer, Custom icon font, Full Firebase skills (analytics, crashlytic, firestore, cloud storage, cloud function, authentication), Rive animation, RSA, AWS S3, IAP, Stripe, BLE/iBeacon

NODEJS (TypeScript)

→ Keywords: NestJs, MongoDB, Bull Queue (Redis), PM2, Nginx, VPS, AWS High Availability & Fault Tolerance

→ Case study: WebRTC, Web3js, RestFull, Firebase Authentication, Firebase cloud function, AWS Lambda, Socket

Other Skills

Not just a list.

Mobile

Native Android: Gradle Groovy, Kotlin, Java. MVP model, Dagger2, Butterknife, Annotations, Event bus, RxAndroid/RxJava, jUnit, Espresso, Picasso, Gson, Retrofit2, Realm, GGMaps, FB/G+/Twitter Sdk, Fabric, Mint, Log entries, BLE, NFC, Amazon web services

Cross-platform:

- Ionic: Angular
- ReactNative: ES6, Redux, Ignite, Nativebase, Reactotron, Immutable
- Flutter: Dart, Material Design

Web

Server: PHP (Laravel/Lumen), Java EE, C Embedded, XMPP (Ejabberd, Smack), NodeJs (ExpressJs, WebRTC, Kurento, Socket.io/Websocket, Nestjs), Redis, HAProxy, Spark, Hadoop, Kafka, ZeroMQ

Frontend: Angular, ReactJS, Bootstrap, jQuery, TypeScript, Html, Css, GraphQL, Wordpress, Magento, Gulp, Bower, SCSS/Less, QUnitJS

Blockchain

Ethereum: SmartContract, ERC20 Token, ICO CrowdSale (Solidity + Web3)

Tron: SmartContract, TRC20 Token, TRC10 Token

Bitcoin: OMNI USDT exchange on bitcoin network

Hyperledger Fabric: Backend with Java Sdk, chaincode with golang and deploy via Docker

Hyperledger Iroha: Android app, Javascript wallet and Docker

Bot

Wiki bot: use Dialogflow, NLP

Immovables bot: work as a real estate agent

Binary trading bot: automated trading with customizable strategy

USDT exchange bot: automated fiat exchange USDT via telegram (support OMNI, ERC20, TRC20)

ERC20 Token exchange bot: automated exchange Ethereum ERC20 Token via telegram

Forex trading bot (MQL4/MQL5): signal alert, copy and automated trading with customizable strategy

AI

Statistic, Data Mining, Machine learning and Deep learning

Env & tool: Python, Colab, Nteract, Kaggle, Orange3, OpenCV, Tensorflow, Dialogflow, Dlib, Firebase ML

OS/System

macOS, Linux, Windows, Nginx, Apache, KVM virtualization with oVirt

Database

MySql, Sql Server, Sqlite, Realm, Postgres, DynamoDb, InfluxDB, MongoDB

Embeded

Atmel, Arduino, ESP32, ESP8266, ARM, Raspberry Pi, NFC, BLE, iBeacon

Version control

Master of the Git: GitHub, GitLab, Bitbucket

Others

Teamwork PM, Scrumdesk, Redmine, JIRA, Sketch, PS, Zeplin, Jenkins, CircleCI, Google Cloud, Unity AR (ARKit, Vuforia), Tsung

Hobby

Algorithm

Read IT books

Your challenges

Social

Blog: <https://nhancv.com>

Github: <https://github.com/nhancv>

Medium: <https://medium.com/@nhancv>

Upwork: <https://www.upwork.com/f1/nhancv>

Contact

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---- @2021 Nhan Cao ----

<https://nhancv.github.io>

Portfolios

React Native: Matchme - Dec, 2018

Skills: React Native, Google Map, Push notification

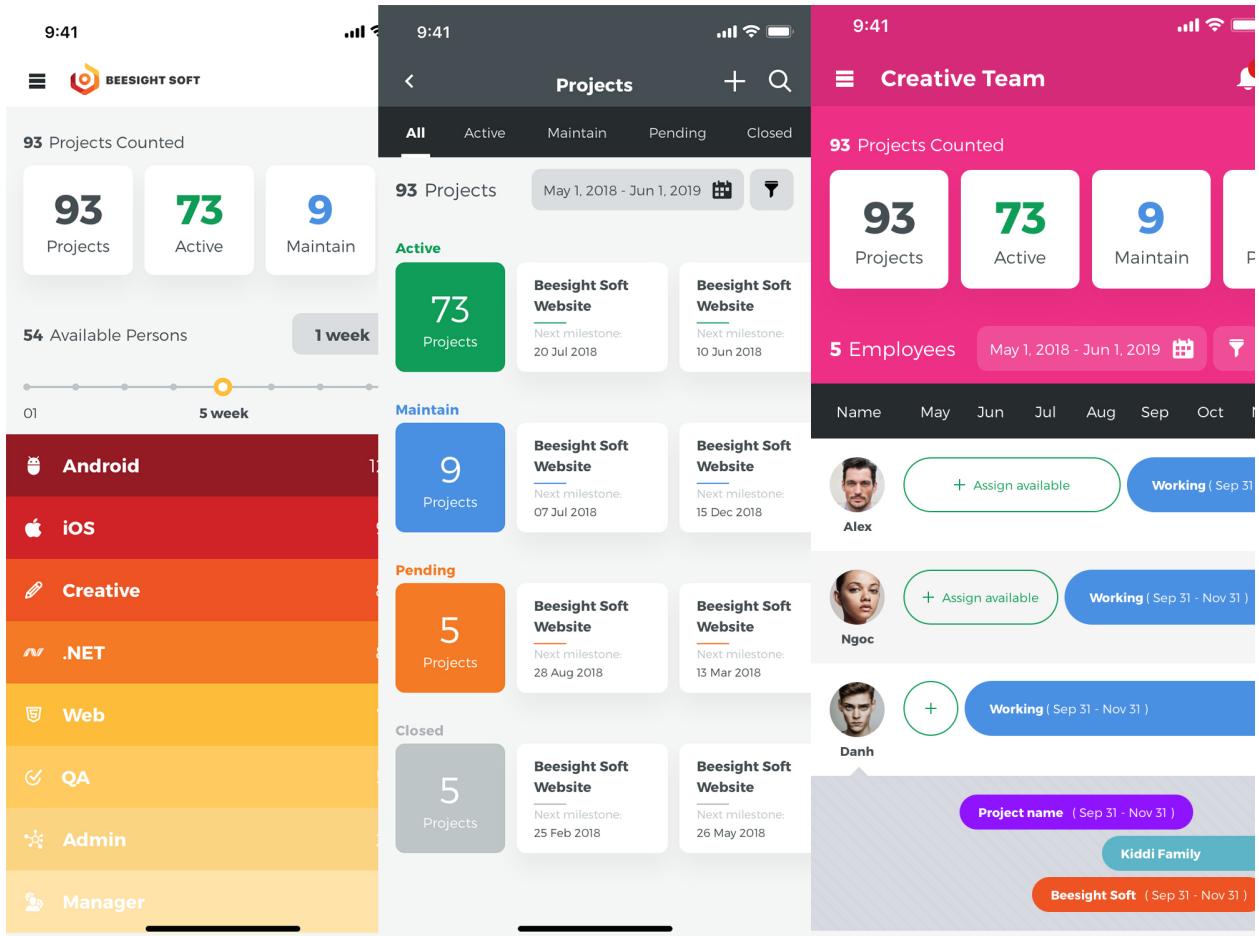
Description: Social matching



Flutter: Beemon - May, 2019

Skills: Flutter, Firebase Cloud Functions, Firebase Cloud Storage, Firebase Cloud Firestore, Firebase Authentication, Firebase Crashlytics, Nodejs, Typescript, Push notification

Description: Resource management



----- React Native: Basetax - Jun, 2019

Skills: React Native, Redux, RestFull API

Description: A free record-keeping app that allows you to instantly take a picture of all of your business receipts and store it on your phone.

Store

- + Android: <https://play.google.com/store/apps/details?id=com.basetax.rct>
- + iOS: <https://apps.apple.com/us/app/basetax/id1433856099>

STATISTICS

2018 - 2019

TOTAL INCOME
£33,959.33

#	DATE	
1	01/01/2019	
2	01/01/2019	
3	11/22/2018	(£3:
4	08/23/2018	(£4:
5	08/01/2018	£63.00 Edit Copy
6	07/01/2018	£4:
7	06/14/2018	
8	06/14/2018	
9	06/14/2018	

ACTIVITY

- Dashboard
- Transactions

BUSINESS

- Add Transaction
- Manage

REPORT

- Report

ACCOUNT SETTING

- Settings

React Native: Basetax Solo - Jun, 2019

Skills: React Native, Redux, RestFull API

Description: Tax filling made easy for individuals from sole trader to non-UK resident landlords. File your tax return directly through this app to HMRC and get instant confirmation.

Store

- + Android: <https://play.google.com/store/apps/details?id=com.basetax.solo>
- + iOS: <https://apps.apple.com/us/app/basetax-solo-tax-return/id1449905924>

Step 1 - Income

Tell us about the income that you earned:

- Tax return 2018 (SA100)**
- Employment (SA102)**
 - Jane Smith X
- Self-employment (full) (SA103F)**
 - SuperSweet X
- Self-employment (short) (SA103S)**
 - Bakery X
- UK Property (SA105)**
- Resident Remittance (SA109)**
- Tax calculation (SA110)**

EMPLOYMENT
Tax year 2017-04-06 to 2018-04-05 (2017-18)

TAX CALCULATION FOR 2017-18
Year ended on 2018-04-05

Preview

Tax Calculation for 2017-18 (year ended 5 April 2018)	
Income received (before tax taken off)	£ 196.00
Pay from employment	£ 196.00
Total income received	£ 196.00
minus Personal Allowance	£ 11,500.00
Total income	£ 0.00
How I have worked out your income tax	
Total income on which tax has been charged	£ 0.00
Income Tax charged	£ 0.00
Income Tax due	£ 0.00
minus Tax deducted	
From all employments, UK pensions and state benefits	£ 9,999.00
Total tax deducted	£ 9,999.00
Income Tax overpaid	£ 0.00

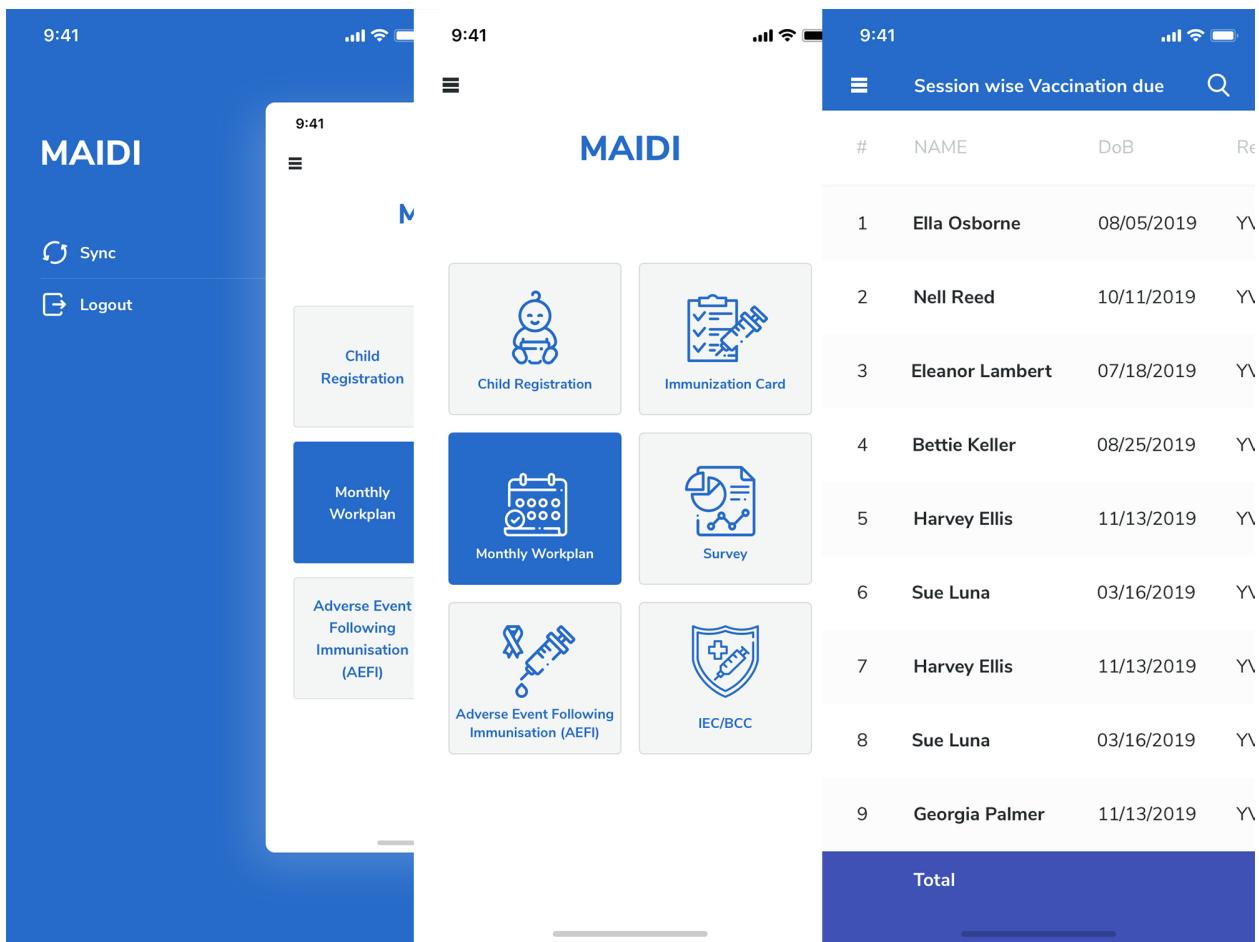
29 Jan 2019 01:32:28

Powered by Beesettle - www.beesettle.co.uk

Android: Maidi dhis2 - Dec, 2019

Skills: Android native, Kotlin, RestFull API, Dhis2

Description: Vaccine schedule reminder, data capture



Flutter: PYC Digital menu - Mar, 2020

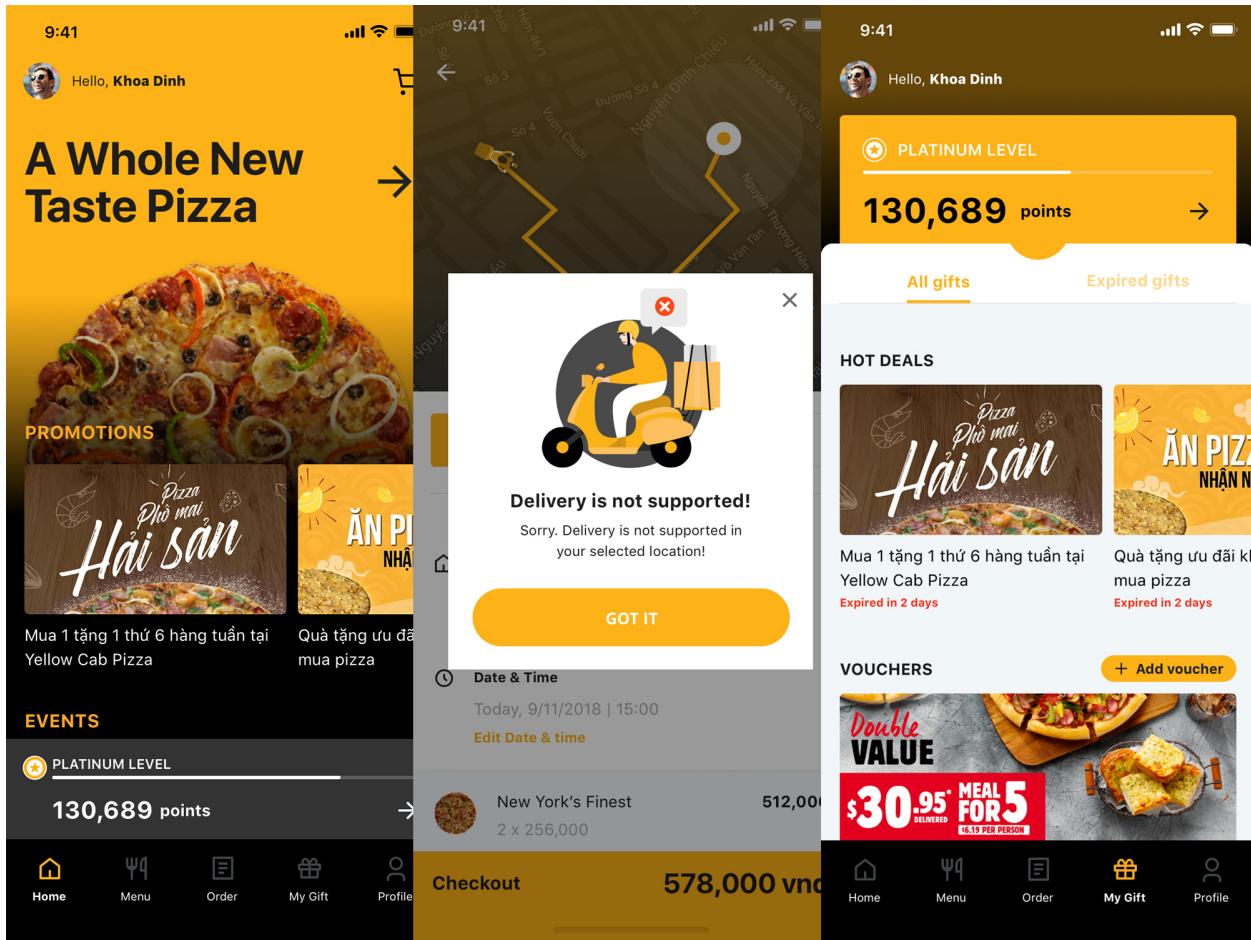
Skills: Flutter, Provider, Notification, Scan QR, Google Map

Description: food and beverage, order

Store

+ Android: <https://play.google.com/store/apps/details?id=pyc.pizza.app>

+ iOS: <https://apps.apple.com/us/app/yellow-cab-pizza/id1492776803>



Flutter: CXI POS - May, 2020

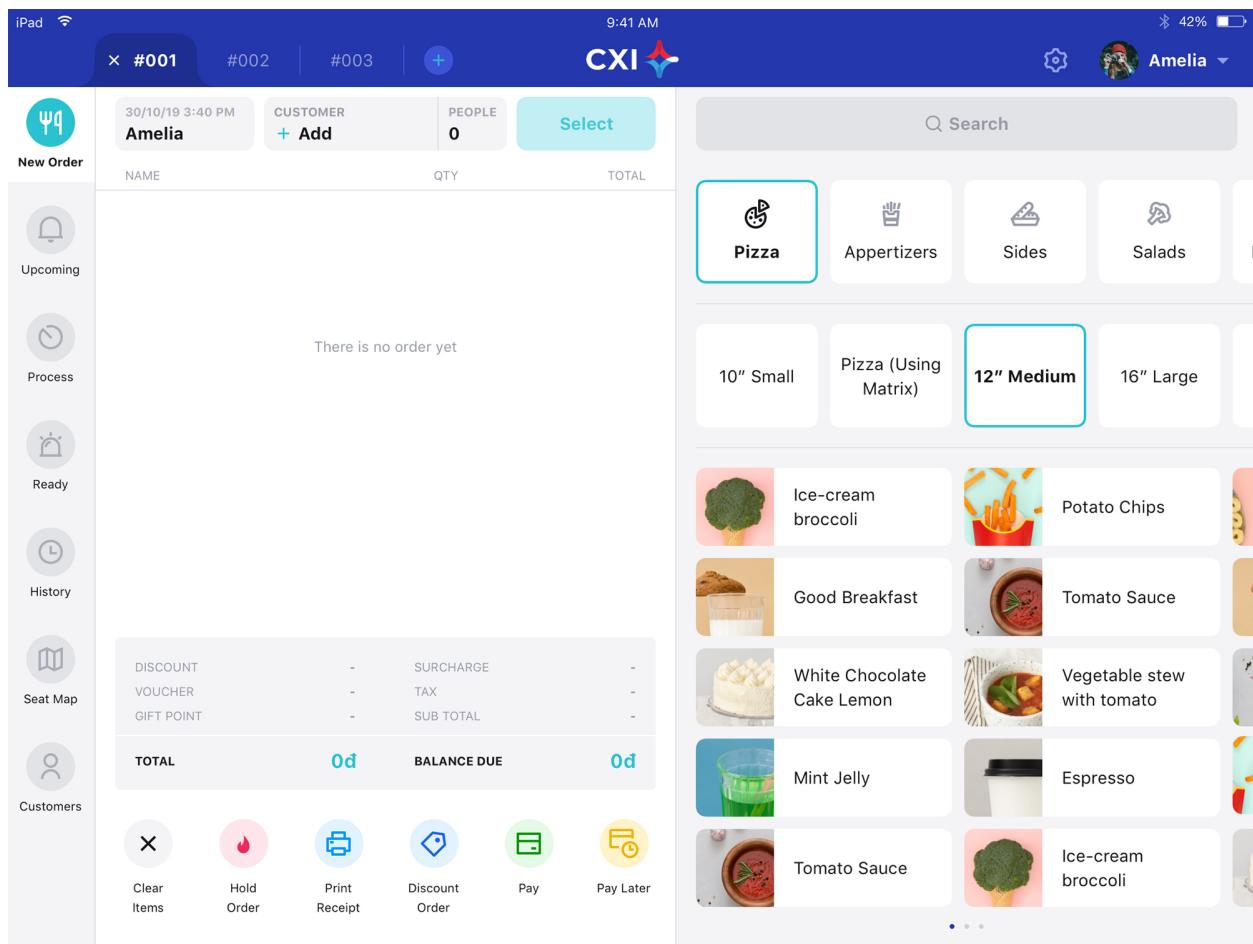
Skills: Flutter, Provider, Notification, Printer, Caching, Local Storage

Description: food and beverage, order, pos

Store

+ Android: <https://play.google.com/store/apps/details?id=com.beesightsoft.pos>

+ iOS: <https://apps.apple.com/vn/app/cxi-pos/id1494269785>



----- Flutter: Luxury Watches - Apr, 2020

Skills: Flutter, Provider, Notification, RestFull API

Description: Luxury Watches Store

+ Android: <https://play.google.com/store/apps/details?id=com.snsgroup.app>

+ iOS: <https://apps.apple.com/vn/app/s-s-group/id1529383881>

9:41

9:41

9:41

Choose Collection
HUBLOT

Reminders

Working Schedt

Reminders

Working Schedule

Filtered by: Date

All Today Yesterday This week

< Dec 2020 >

T2	T3	T4	T5	T6	T7	CN
29	30	1	2	3	4	5
N	N					
6	7	8	9	10	11	12
N M			N	M	M	
13	14	15	16	17	18	19
			N	M	M	
20	21	22	23	24	25	26
				24	25	26
27	28	29	30	31		
	N					

Message for customers
Today - 12:00am

Message for customers
Nov 11, 2019 - 12:00am

Created by Manager

⚠ Don't share any information in this app for others
If you are violated by this rule lead to penalties in accordance with the regulation of the company.
[Read more](#)

From 9:00 to 17:00
Absent

From 13:30 - 22:00
Leave

From 11:00 - 20:00

HUBLOT
Hublot BigBang King Gold
Code: ...
Created by Manager

HUBLOT
HUBLOT STAINLESS STEEL DIAMOND
Code: ...

AUDEMARS PIGUET
AUDEMARS PIGUET ROYAL OAK SELF WINDING
Code: ...

Done

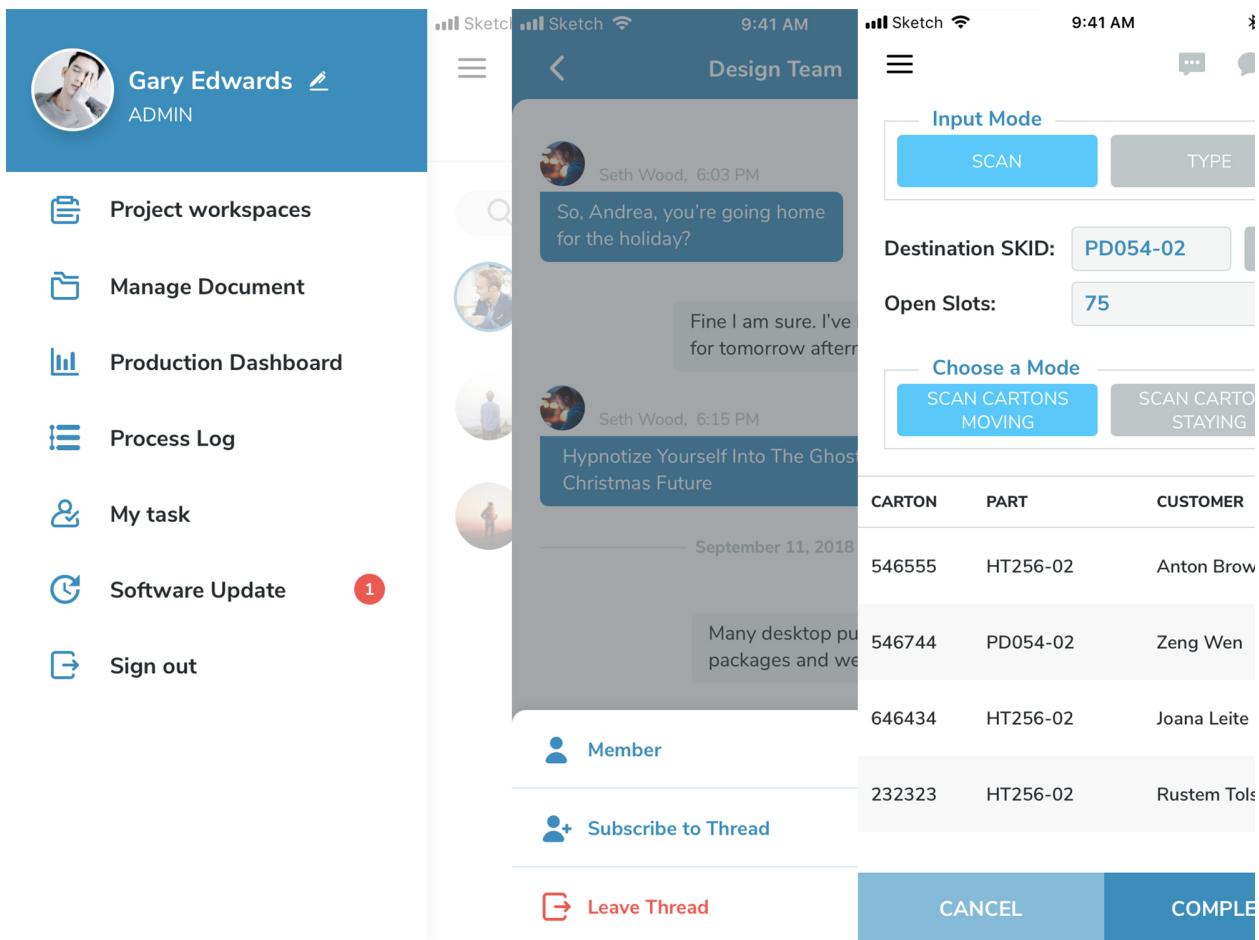
Home Customers Products Sold Items Acc Home Customers Products Sold Items Account

React Native: MSS - Apr, 2020

Skills: React Native, Redux, Chat SignalR, Notification, RestFull API

Description: Resource management

Store: Internal only



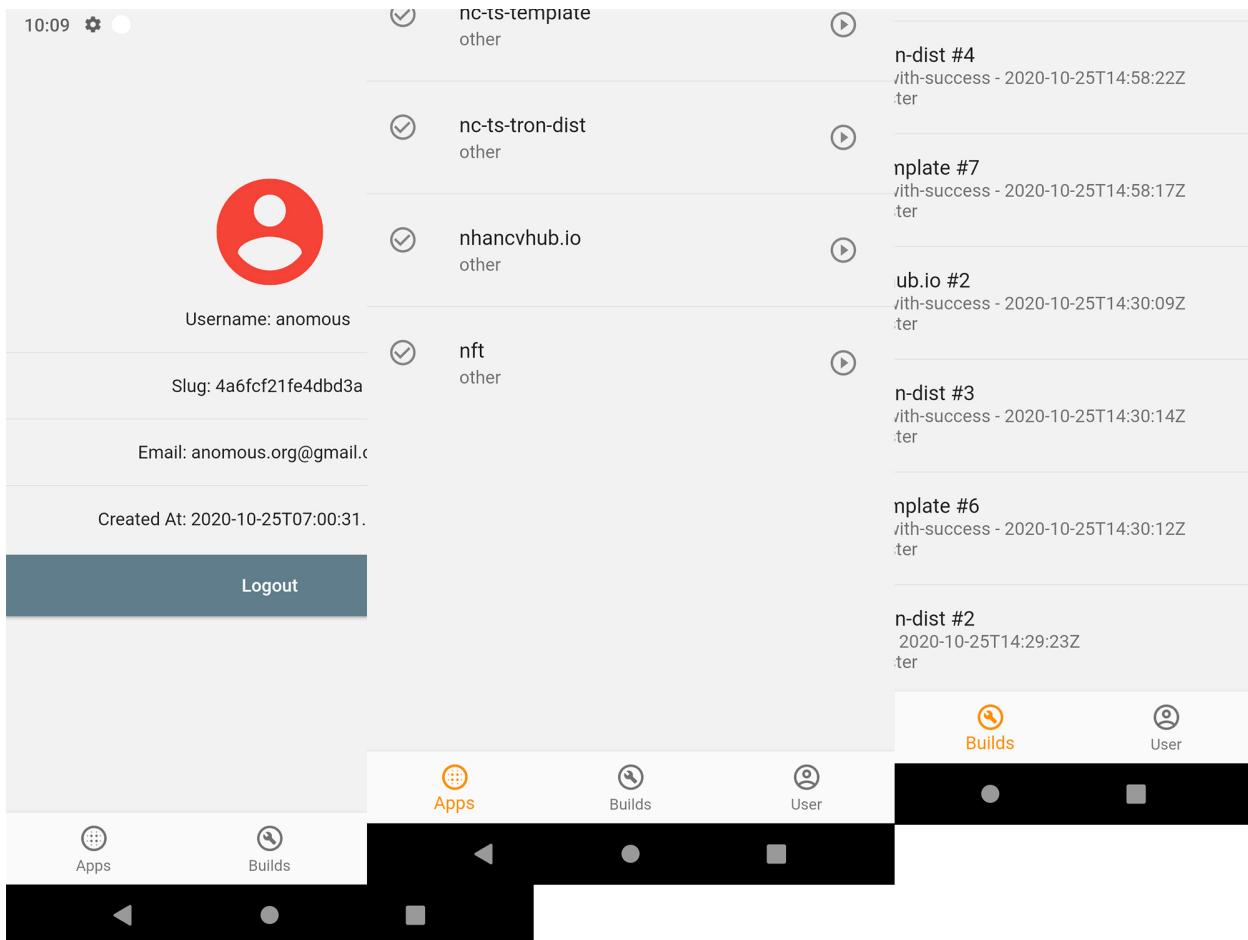
Flutter: NBitrise - Jul, 2020

Skills: Flutter, Provider, RestFull API

Description: NBitrise is a client app help developer can trigger build and watch status faster on the mobile app.

Store

- + Android: <https://play.google.com/store/apps/details?id=com.nhancv.nbitrise>
- + iOS: <https://apps.apple.com/vn/app/nbitrise/id1537309969>



Flutter: Habit Tracker and Timer - Oct, 2020

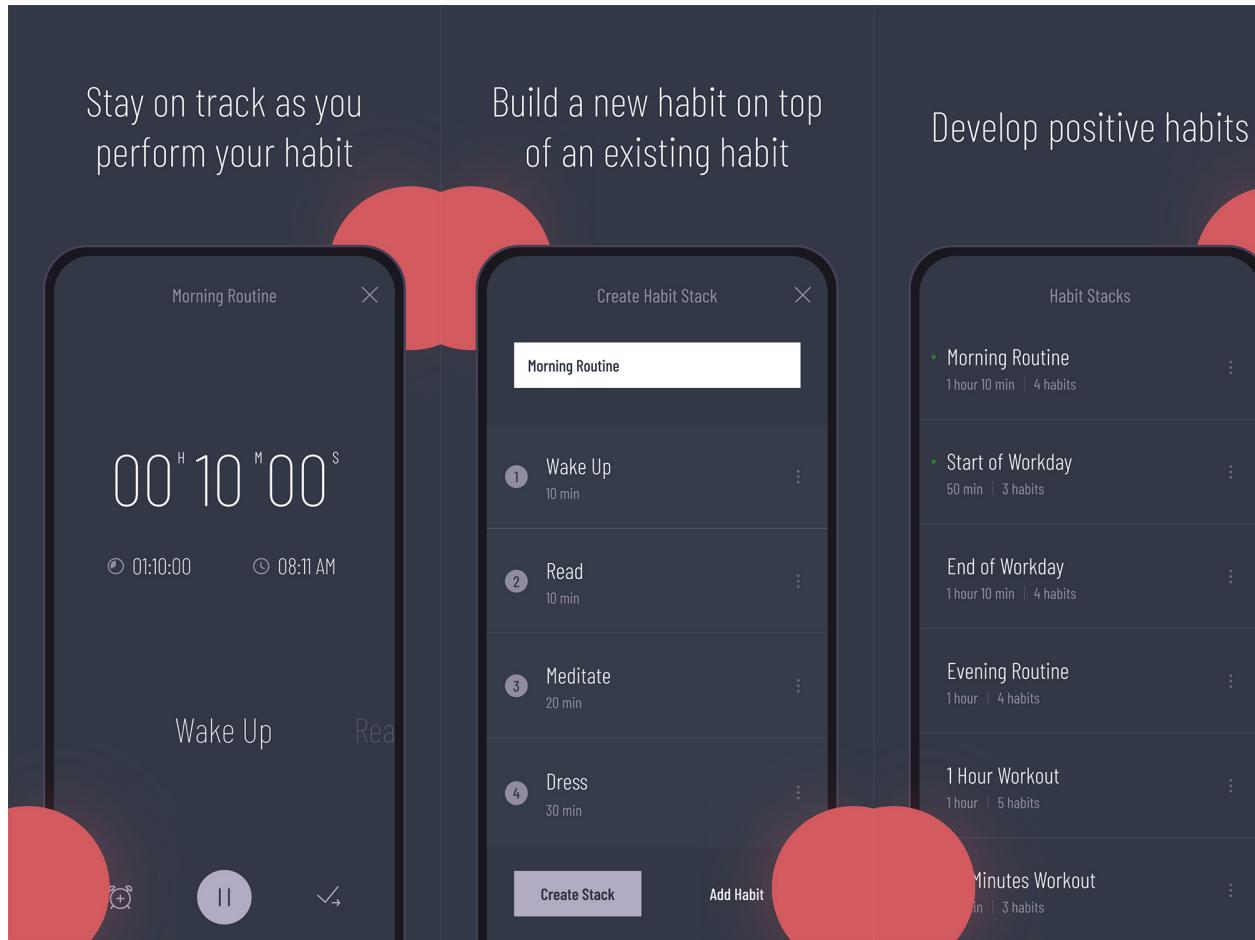
Skills: Flutter, Firebase Cloud Firestore, Firebase Cloud Storage, Firebase Authentication, Firebase Cloud Functions, Firebase Analytics, Firebase Crashlytics, Nodejs, Typescript, Firebase Hosting

Description: Automate your habits by using the world's best (and only) habit stacking app!

Store

+ Android: <https://play.google.com/store/apps/details?id=app.habit.android>

+ iOS: <https://apps.apple.com/us/app/id1496602645>



Flutter: The Avenue - Feb, 2021

Skills: Flutter, Mux, RTMP Publisher, Livestream, Pusher, Camera, Echo Laravel

Description: The Avenue Live Streamer app allows streamers, who have signed up at <https://theavenue.live> to stream from their iPhone.

Store

+ Android: <https://play.google.com/store/apps/details?id=com.app.theavenue>

+ iOS: <https://apps.apple.com/us/app/avenue-mobile/id1548293040>

