

# Nhan Cao

Technical Architect  
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## Abstract

A forward-thinking man passed several positions with wide knowledge cover almost 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 logic thinking skill.
- Known for writing efficient, maintainable and reusable code.
- Proficient in programming patterns and principles, algorithm, 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  
Thesis: 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

## 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

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**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

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**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 Lambda

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**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

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**27/08/2016 - present**

R&D Mobile

Beesight Soft, Vietnam

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

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

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## 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, GMaps, 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

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### Web

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

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

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### Blockchain

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

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

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### Bot

Wiki bot: use Dialogflow, NLP

Immovables bot: work as a real estate agent

Binary trading bot: automated trading with customizable strategy

OMNI USDT exchange bot: automated exchange OMNI USDT via telegram

Forex trading bot: signal alert, copy and automated trading with customizable strategy

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## **AI**

Statistic, Data Mining, Machine learning and Deep learning

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

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## **OS/System**

macOS, Linux, Windows, Nginx, Apache

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## **Database**

MySQL, Sql Server, Sqlite, Realm, Postgres, DynamoDb, InfluxDB

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## **Embedded**

Atmel, Arduino, ARM, Raspberry Pi

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## **Version control**

Master of the Git: GitHub, GitLab, Bitbucket

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## **Others**

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

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## **Hobby**

Algorithm

Read IT books

Your challenge

## **Social**

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

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

Upwork: <https://www.upwork.com/fl/nhancao>

Twitter: <https://twitter.com/nhancv>

Linkedin: <https://www.linkedin.com/in/nhancv>

Stackoverflow: <https://stackoverflow.com/cv/nhancv>

NpmJs: <https://www.npmjs.com/~nhancv>

## Contact

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<https://nhancv.github.io>