

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

AWS Certified Solutions Architect - Associate: <https://bit.ly/2YefZzT>

AWS Certified Developer - Associate: <https://bit.ly/37G48NY>

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 Lambda

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 - 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
- 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

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

Web

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

Embedded

Atmel, Arduino, ARM, Raspberry Pi

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 challenge

Social

Blog: <https://nhancv.com/>

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

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

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

Freelancer.com: <https://www.freelancer.com/u/nhancv>

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>