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 Lamda

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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
  - 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, 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 Embeded, 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

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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

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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

OS/System
macOS, Linux, Windows, Nginx, Apache, KVM virtualization with oVirt

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

Embeded
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

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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/o/profiles/users/~01a9bd982d453a6de1/

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