

Phuc (Levi) Huynh (Mr.)

Senior Software Engineer
10+ Years of Experience

Fairfield, Iowa
United States

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Professional Summary

Senior Software Engineer and emerging technical leader with **10+ years** of experience designing scalable software platforms across fintech, healthcare, recruitment, and education technology. Strong background in Java/Spring, ReactJS, Python, microservices, AWS, Kubernetes, CI/CD, and distributed system design. Proven ability to drive architectural decisions, improve performance, mentor engineers, and deliver reliable production systems for international teams. With an M.Eng. in Computer Science, ongoing Ph.D. research, and publications in AI/ML and optimization, brings a strong combination of practical engineering leadership and research-oriented problem solving.

Career History

Mar 2026 – Present **Journal Reviewer**

- Information Processing & Management, SCIE/Scopus Q1
- International Journal of System Assurance Engineering & Management, ESCI/Scopus Q2

Dec 2025 – Present **Senior Engineer**, *Propel Ventures*, Australia

- Tinybeans: *Stack: AWS, Spring, Snowflake (data warehouse), Terraform*
- Education Perfect: *Stack: prompt engineering (Google Gemini)*

Dec 2024 – Dec 2025 **Analyst Engineer**, *NAB Innovation Centre Vietnam | A member of National Australia Bank Limited*, HCMC

- Open data—Consumer Data Right gives you the right to share your data between service providers of your choosing. It's now active in banking and energy, so you may choose to share your banking and energy data with a new provider to get a better offer, or with an app to access a new service.
Stack: Java, Spring, MySQL, AWS, Jenkins.

Mar 2021 – Sep 2024 **Full-stack Developer**, *Doctor Anywhere (product company)*, Remote / Singapore

- Built Clinic Management, Specialist Recommendation, and Contact-Centre systems for tele-medicine.
- Drove architectural decisions, created scalable back-end services, led code reviews, and mentored teammates.
- Managed CI/CD, automated testing, and performance optimisation.
Stack: Java, Spring, ReactJS, MySQL, DynamoDB, AWS.

Feb 2021 – Aug 2021 **Part-time lecturer**, *Vietnam National University Ho Chi Minh City, Ho Chi Minh City University of Technology*, Vietnam
Student thesis supervisor

Jun 2016 – Feb 2021 **Senior Consultant**, *Applied Mesh Pte Ltd (product company)*, Remote / Singapore
Designed services, improved performance, and added extensive unit / integration / automation tests. Tech: Java, ReactJS, MySQL, MongoDB, Elasticsearch.

Technical Skills

Languages	Java (10+ yrs), Python (4 yrs), JavaScript/TypeScript, HTML & CSS, XML
Frameworks	Spring / Play (10+ yrs), ReactJS (4–5 yrs), NodeJS
Cloud	AWS (10 yrs), Google Cloud
DevOps	Kubernetes, Docker, Jenkins, GitLab CI/CD, Bitbucket
Messaging	Kafka, RabbitMQ
Databases	Oracle, MySQL, PostgreSQL, MongoDB, DynamoDB, Redis, Elasticsearch
Monitoring	Splunk, New Relic
Architectures	Micro-services, RESTful APIs (10+ yrs)

Education

Aug 2026 – Present	MBA for Professionals in ERP and Analytics , <i>Maharishi International University</i> , Fairfield, Iowa, United States
Dec 2023 – Present	Ph.D. in Computer Science , <i>Industrial University of Ho Chi Minh City</i> , Vietnam
Sep 2018 – May 2020	M.Eng. in Computer Science , <i>Vietnam National University Ho Chi Minh City, Ho Chi Minh City University of Technology</i> , Vietnam Thesis: <i>Development of a Blockchain-based Social Network</i> (Supervisor: Assoc. Prof. Nguyen Huynh-Tuong).
Sep 2012 – Apr 2017	B.Eng. in Computer Science (Talented Engineer Program, GPA 8.23/10) , <i>Vietnam National University Ho Chi Minh City, Ho Chi Minh City University of Technology</i> , Vietnam Thesis: <i>A Question-Answering System related to restaurants and cuisine in Ho Chi Minh City</i> (Supervisor: Prof. Phan Thi Tuoi).

Apps

App Store	Math Duel: 2-Player Math
App Store	Ashta Chamma: Cowrie Race
App Store	Tangram: Shape Puzzle
App Store	Macanan: Tiger & Goats
App Store	Surakarta: Loop Capture
App Store	Dam-daman: Indonesian Draughts
App Store	Merrills: Nine Men's Morris
App Store	Generala: Dice Duel
App Store	Diketo: Math Stones
App Store	Senet: Pharaoh's Race
App Store	Eye of Horus: Restore the Eye
App Store	Domino Math
App Store	Math Bingo: Lo To
App Store	Cornhole Math: Bag Toss
App Store	Abacus: Bead Math

Accomplishments

2026 **AWS** Certified Machine Learning Engineer – Associate

- 2026 **Anthropic** Claude Certified Architect – Foundations
- 2026 **Anthropic** Claude Code in Action
- 2026 **Anthropic** Building with the Claude API
- 2026 **Anthropic** Introduction to Model Context Protocol
- 2026 **Anthropic** Introduction to agent skills
- 2026 English **IELTS 6.5**
- 2025 **Codility's** Black Belt - the highest tier possible at National Australia Bank Limited
- 2025 National Australia Bank Limited Recognizes Awards for Q2 and Q3
- 2023 Java Certificate – Mangtas, Singapore
- 2015 Merit-based Scholarship for Academic Excellence – HCMC University of Technology
- 2012 3rd Prize – Provincial Competition for Excellent Students in Chemistry, Tay Ninh
- 2012 3rd Prize – Provincial Competition for Excellent Students in Chemistry (Casio variant), Tay Ninh
- 2005 Prize-winner – District Competition for Excellent Students in Mathematics, Can Giuoc
- 2005 3rd Prize – Provincial Painting Competition for Excellent Students, Tay Ninh

Publications

Journals

- 2025 Phuc Tan Huynh: An NSGA-III-HOP algorithm for solving the cardinality-constrained multi-period PO problem using wavelet CVaR. *Asia-Pacific Journal of Operational Research* 0(ja), (0) <https://doi.org/10.1142/S0217595925500526> (**SCIE/Scopus Q3**)

Proceedings

- 2025 Huynh, P.T., Son, T.H., Vo, K.D., Huynh-Tuong, N. (2025). Twin-Based Reinforcement Learning for Solving Multi-period Portfolio Optimization Problem. In: Huynh, VN., Honda, K., Le, B., Inuiguchi, M., Huynh, H.T. (eds) *Integrated Uncertainty in Knowledge Modelling and Decision Making. IUKM 2025. Lecture Notes in Computer Science()*, vol 15586. Springer, Singapore. DOI: https://doi.org/10.1007/978-981-96-4603-6_11 (**Scopus Q3**)
- 2024 Huynh, P.T., Son, T.H., Vo, K.D., Huynh-Tuong, N., Soukhal, A. (2025). Advanced Integration of Fuzzy MTM LSTM and MLP Models for Forecasting Stock Prices. In: Joshi, A., Ragel, R., Mahmud, M., Kartik, S. (eds) *ICT: Applications and Social Interfaces. ICTCS 2024. Lecture Notes in Networks and Systems*, vol 1323. Springer, Singapore. https://doi.org/10.1007/978-981-96-4139-0_27 (**Scopus Q4**)
- 2023 Huynh P.T. *et al.* "Portfolio Maximisation Focusing on Dividend-paying Stocks and Banking Interests." 16th National Conference on Fundamental and Applied IT Research, Da Nang. <https://doi.org/10.15625/vap.2023.0059>

Preprints

- 2025 Huynh, Phuc Tan, "One-Step Multi-View Spectral Clustering with Adaptive Graph Learning, Matrix Factorization, and Automatic View Weighting". *SSRN*. DOI: <http://dx.doi.org/10.2139/ssrn.5351417>

Personal Details

Birth date 05 Mar 1994

Languages Vietnamese (native), English

Interests Listening to music, comics, jogging, movies