Chung Ho Duc

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ABOUT MYSELF

I am an enthusiastic software development engineer with more than 10 years of experiences working in software development industry. My strength is designing and developing back-end systems and apis using various of languages and patterns

WORK EXPERIENCE

Senior Software Engineer

Teko Vietnam Technology JSC [03/2017 – 09/2022]

City: Hanoi | **Country:** Vietnam

Team Leader:
- Led development teams of 6-8 members to complete two key projects, exceeding the KPI target by 120-140%.
- Successfully trained seven internship students into skilled employees for the company.

Software Engineer:
- Design architecture built the core and contributed to the development phase of the Logistic microservice in an ERP that reduced average delivery time for orders by 25%, decreased wrong or missing delivery cases by 95%, and saved 50% of the time used by warehouse operators in assigning delivery employees.
- Design architecture built the core and contributed to the development phase of the Finance reporting microservice in an ERP that generated finance reports 80% faster and reduced the time required for reconciliation by 40%.

Scrum Master:
- Successfully applied Scrum methodology to team operations, leading to a 75% reduction in overdue tasks, a 30% increase in productivity, and a 35% decrease in QA-phase bugs within six months.
- Served as a Scrum Master, facilitating all Scrum ceremonies, including daily stand-ups, sprint planning, reviews, and retrospectives. Provided all support needed by team members to achieve the achievements mentioned above.

Tech Stack: Microservices, CQRS, Redis, MySql, Python, Go, Kafka, Gitlab CI, MySQL, UML

Senior Software Engineer (Remote)

TIPEME HOLDINGS PTY LTD [11/2016 – 04/2020]

City: Brisbane | **Country:** Australia

Software Development:
- Designed and developed over 50 APIs for TipeME, a social network application, enhancing user privacy and AR features, leading to a 30% increase in user engagement.
- Improved, maintained, and refactored 70 legacy APIs from previous developers, reducing system failures by 95% and enhancing API loading times by 100-400%

System Optimization:
- Improved system performance by 40% by optimizing database queries and refactoring code.
- Implementing caching and tuning SQL queries to ensure API p90 loading times remained under 100ms
- Applied a solution for media compressing and distributing, improving in-app loading times by 70% and reducing user data usage by 40%.

Tech stack: PHP, XMPP, Redis, Apache, PostgreSQL, socket.IO, AWS

Technical Leader

Vietnam Unity App Studio Co. ltd, Hanoi [09/2014 – 09/2016]

City: Hanoi | **Country:** Vietnam

Team Leader:
  • Led and mentored development teams of 5-6 members, ensuring successful project delivery and effective
    collaboration in Sembang Chat and EyeProtec projects.
Software Engineer:
  • Initiated the codebase and designed over 100 APIs for Sembang Chat, a Malaysian social network. Led a team of
    5 developers to complete the project and achieved 100,000 active users within three months of launch.
  • Design architecture and build the core of EyeProtec, an application that reports natural disasters, missing
    persons, personal emergencies, and terrorist activities. The project processed over 4,000 emergency reports
    per month and broadcasted around 1,000 natural disaster warnings to approximately 50,000 users per
    month.
Tech stack: PHP, XMPP, Redis, Apache, MySQL, jQuery, socket.IO

Software engineer

Septeni Technology Co. Ltd [07/2013 – 09/2014]

City: Hanoi | **Country:** Vietnam

Software Engineer:
  • Contributed to the PYXIS project, leading to a 25% increase in the effectiveness of Facebook ad campaigns and
    approximately 10% cost reduction for users.
  • Independently designed solution and architect for the Autobid project, which helps users to automatically bid
    the best price for a Facebook ads campaign with a designed target and time frame. The project helped users
    to save an average amount of 25% total budget spent for Facebook ads
Development Methodologies and Practices:
  • Successfully applied TDD (Test-Driven Development), reducing bug occurrences by 30%.
  • Successfully applied Scrum methodology ensuring iterative progress and continuous delivery of features.
Tech stack: PHP, Redis, Apache, MySQL, jQuery

Software developer

5land Technology JSC [04/2012 – 07/2013]

City: Hanoi | **Country:** Vietnam

Software Engineer:
  • Developed a comprehensive data crawling system that collected over 200,000 real estate trading records,
    improving the accuracy of the price prediction system to within a 15% margin of error.
  • Built a user-friendly website for Real Estate trading that attracted 10,000 unique visitors within the first three
    months.
Tech stack: PHP, Apache, MySQL, jQuery

EDUCATION AND TRAINING

BSc Computer Science

VNU University of Engineering and Technology [10/2008 – 08/2012]

City: Hanoi | **Country:** Vietnam | **Website:** https://uet.vnu.edu.vn/en/ | **Field(s) of study:** Computer Science |
Thesis: Composition of models in Aspect Oriented Modeling

MSc Computer Science for Digital Media

Bauhaus University Weimar [10/2021 – Current]

City: Weimar | **Country:** Germany | **Website:** https://www.uni-weimar.de | **Field(s) of study:** Computer Science
for Digital Media | **Thesis:** Enhancing Narrative Diversity in Storytelling: A Multi-LLM Approach to Collaborative Story
Generation

LANGUAGE SKILLS

Other language(s):

English

LISTENING C1 **READING** C2 **WRITING** C1
SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

German

LISTENING A2 **READING** A2 **WRITING** A2
SPOKEN PRODUCTION A2 **SPOKEN INTERACTION** A2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

DIGITAL SKILLS

Digital Skills - Test Results

Information and data literacy	**ADVANCED**	Level 6 / 6
Communication and collaboration	**ADVANCED**	Level 6 / 6
Safety	**ADVANCED**	Level 6 / 6
Problem solving	**ADVANCED**	Level 6 / 6

Results from a self-assessment based on The Digital Competence Framework 2.1