Bui Duc Toan
Backend Developer

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Computer science has always been my passion. In particular, I am very enthusiastic about algorithm research, understanding how a function works, and what it takes to make it so. During my studying, I spent a year in Saigon to attend an algorithm course and acquired some achievements. That inspired me so much to push my career further as a backend developer. I'm looking forward to opportunities to deepen my knowledge and learn new things in the field.

EDUCATION

Bachelor of Computer Science, *Thang Long University*   Jul 2022

SKILLS

Tools and Languages	Python, Java, NodeJS, JS, C++, Git, MarkDown, Prisma, KnexJS
Quantitative Research	Competitive Algorithm, Math for Machine Learning, SQL, MongoDB, R
Communication	Vietnamese (native), English (speaking B1; reading B2; writing B2)

TECHNICAL EXPERIENCE

BACKEND DEVELOPER / FARALAND   **Apr 2022 — Present**
Moon Knight Labs   *Thanh Xuan, Ha Noi*
- Optimize finding path from bots to user's hero that is closest to the bot's team with highest point on map (BFS Algorithm).
- Optimize mark points on the map for BFS Algorithm for each case.
- Optimize battle tactics for bots when needing to buff or use skills or normal attacks.
- Script to deploy code to Ubuntu server with Ansible.
- Develop skills in the game and return data to client.
- Get the script from Game Design and develop game features according to the script.
- Design functions and properties of object.
- Get data from database with KnexJS.
- Design table in database with Prisma.

BACKEND DEVELOPER / CLOUDBASE.VN   **Nov 2021 — Present**
iDS   *Thanh Xuan, Ha Noi*
- Work with firewall (Palo alto) and Vcenter, Vrops for virtual machine provisioning.
- Take on the company's self-led direct software development assignment.
- Analysis and design algorithms for assigned requirements.
- Optimize the functions on the system.
- Write API description documentation.
- Report and present functions to the leadership.
- Create NAT rule on Palo alto firewall (NAT, Uturn NAT,...)

BACKEND DEVELOPER / NHATKYMEBAU.VN   **Oct 2021 — Mar 2022**
Great Project   *Hoang Mai, Ha Noi*
- Publish code to server (VPS).
- Provide API to Front-end.
- Analysis and design algorithms for assigned requirements.
- Analysis and design database model.

TEACHING ASSISTANT / ANALYSIS AND DESIGN ALGORITHM CLASS   **Jan 2021 — Mar 2022**
Thang Long University   *Hoang Mai, Ha Noi*
- Teaching support for students in class.
- Making homework to students.
- Create exam questions for students.
- Correcting homework at the beginning of class.

DISTRIBUTE DATA WIT SQL SERVER
Personal Project
- Distribute data across site by scenario with BEA algorithm.

CRAWL DATA AT E-COMMERCE WEBSITE WITH PYTHON
Personal Project
- Crawl data at Shopee, Ebay, Amazon with Python.

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ACTIVITIES

Join the ICPC team at Thang Long University.	2018
Winning a consolation prize in the National Informatics Olympiad 2019.	2019
Complete Data Analyst Course At S-Lab With The Highest Score Of Course	2019
Completed Green + Blue + Orange Algorithm Course At BigO-Coding	2020
Completed Competitive Programming Level 01 + 02 + 03 + 04 Course At BigO-Coding	2021