Nguyen Huu Son
Curriculum Vitae

PERSONAL DETAILS

Birth	May 2, 1994
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EDUCATION

Degree of engineering in Information and Technology `2012-2017`
Hanoi University of Science and Technology

WORK EXPERIENCE

Product & Platform Lead `Hanoi, 2020`
Pique (NextSmarty) Co. Ltd inc, Full time

- Build a new SaaS platform that will be the company's main product. This platform helps the users to create, control, monitor the AI engines provided by our company with ease. Some of works I've done:
    - Design the system architecture to automatically integrate our engines to customers' endpoints, from getting data to serving the engines' results through API or script tag.
    - Build the loggger module for centralizing the data transferring process.
    - Build the receiver module for data receiving process.
    - Build the api module for serving output of the engines.
    - Build a module to generate Javascript script that renders the recommendation boxes on the web pages automatically instead traditional integration approach.
    - Build the schedule module for controlling the timeline of creating, processing data and training models
    - Integrate with our partners' platform to provides our solutions to partners' customers.
    - Setup the infrastructure in AWS and the CICD flow based on Jenkins.

Senior Software Engineer `Hanoi, 2019`
Pique (NextSmarty) Co. Ltd inc, Full time

- Build a new **search engine**, **similar item recommendation engine** on an online store of the biggest pharmacy chain in Vietnam. Also, building a new **search suggestion box** that calls to the new search engine, and integrate this UI to the existed website with the most effortless approach. With these three changes, the KPIs have been significantly improved, for example, 250 % on daily search queries, 45% add to cart rate...

- Participate in building a new search engine and a new recommendation engine for customer who is the biggest job-post company in Vietnam.

Fullstack software engineer, BA, Project manager `Hanoi, 2019-2019`
Kaopiz Software Co. Ltd inc., Full-time

- With the team, build from scratch an online testing system. That allows the students use iPad to do the exams. The answers are synchronized automatically into scoring system.

- Be in charge of project's progress management, resource management. In addition, I supported and helped the team to solve some technical difficulties like building some base components in frontend side.

Fullstack software engineer, BA Hanoi, 2019-2019
Kaopiz Software Co. Ltd inc., Full-time

- With the team, build from scratch an online scoring system. That allows the users upload the scanned answer sheet file, the system will process and digitalize it. After that, the teachers or operators can score the answers by shortcut, which makes the scoring process significantly faster than the traditional method.

- Personally, I supported and helped the team to solve some technical difficulties like:
  - Approach for serving computer vision model to predict the position of QR-CODE, BARCODE on the answer sheet in Windows server environment.
  - Make the system automatically recognize sub-domain from the environment variable, because the windows server that runs the scoring system also run several systems on the same domain.
  - Implement some complex parts of the backend like filtering answer sheet by conditions, session inheriting...

Fullstack software developer Tokyo, 2017-2019
Insight Co. Ltd inc., Full time

- Develop additional features for affiliate ads networking system, base on requirement from BA team.
  - Develop additional features for the multiple-roles console system, that includes the works for both frontend side using AngularJS and backend side using Java Struts2.
  - Develop a new multiple-roles console frontend specified for mobile users using VueJS.

- Maintain the tracking log function, calculating the KPIs from log data.
  - Synchronize data with Twitter using Twitter API.
  - Update aggregate module to adapt dynamic CV price instead of fixed value.

- Apart from the knowledge of technology, infrastructure for logging system, and approaches for handling big amount of data, I also absorbed other knowledge such as development flow, mindset of a professional developer. I think these soft skills are very valuable and not the things can be learnt anywhere.

SKILLS

Software	TYPESCRIPT	Loopback4, NestJS	1 year
	JAVASCRIPT	AngularJS, VueJS	3 year
	JAVA	Struts, Spring	1 year
	PYTHON	FastAPI	0.5 year
	DATABASE	MySQL, DynamoDB, Redshift	2 years
Cloud	CLOUD	AWS	2.5 years
Others	DOCKER		2 year
	K8S		0.5 year
	DISTRUTEDSYSTEM		2.5 years
	ELASTICSEARCH		1 year
Language	ENGLISH		Upper intermediate
	JAPANESE		Fluent - JLPT N1

CERTIFICATES

AWS Certified Solutions Architect - Associate (SAA)   2018-

Credential ID 2BBH1ZPCKFF1135M

Machine Learning - Coursera   2018-

Credential ID ME5JJZLAK8DX