

Career Profile

(to 2 pages short version: <https://dathoc.net/cvshort>)

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Resume

12 years in software testing, hardware testing, embedded testing & qa CMMi lv5-lv3 implementing, certificated ISTQB in 2011, build test process, best with Java selfcreated automation test framework <https://code.google.com/p/datadriven-for-robotium-selenium/wiki/DEFSintro>; conduct CMMi lv5, lv3 org working process evaluation, for US, Japan market at FPT software.

8+ years for Bigdata, data pipeline engineering, data analysis implementation & application builds, both onpremise of HDFS, Spark, Flink, Cassandra, Kafka, MQTT, PowerBI, Tableau and AWS, Google cloud data solutions, including:

- 2 years of buildings & housing retail domain, for Eco Green, Xuan Mai group.
- 2 years of buildings auto data collection and pipeline as a freelancer for Bytesoft, Agribank, Viettel Soft, TPbank, BIDV orgs, Darwin & Melbourne city of Australia.
- 6 months for bike sale, retail commerce domain, for Honda bike manufacturing in Vinh Phuc.
- 2 years for VP9, social data capturing & listening.
- 3 months in enemy data collecting for Veriserve Japan corp.
- 2 years in geologic map building and taxi logistic domain, for Vietnam, G7 taxi group.

2 years for Rust, Java Spring, Scala Akka, Javascript blockchain web3, smartcontract & app implementing, including: Hyperledger Fabric, Ethereum, Solana. Java Spring MVC, Spring Boot implementation in bank domain of Japan, for FPT Software.

3 years in AI implementings with machine learning libs of: Python with Spacy, Google Tensorflow with Keras, Nvidia Jetson Nano & Xavier NX Deepstream, Tensor RT, Yolo, Transformer with Bart, Bert, Marian, LLM with T5, LLM with Vietnamese_llama2_7B_8K_SFT, dolly-v2-12b, open_llama_13b

6 years in BA role in US, UK market, domain IT for FPT software, Harvey Nash corp. And 1 year with 2 projects for BA in bank domain, TPBank, Agribank, BIDV in VietNam.

English skill as American business man (Toelf 2012 600, Toeic 2015 720), as a freelancer (see: <https://dathoc.net/intro>). Previous salary offer (from Veriserve Japan Corp, 2023, in Hanoi Vietnam) of **72 million vnd/month** contract (to validate: <https://www.veriserve.co.jp/en/>).

Latest project working on: Founder of: <https://dathoc.net>, Wind and water level analysis for Can Tho province <https://dathoc.net/dkl>, Australia, Melbourne AI safety city project (<https://dathoc.net/meve>), & Ton Hoa Sen production data capture and analysis <https://dathoc.net/hs>.

All my previous works: <https://dathoc.net/demo>. All my certifications: <https://dathoc.net/mycert>.

Education & Qualification

From 09-1998 to 12-2004

Certification: Bachelor of Management Graduated from Thang Long University
Specialized in Information Technology & Management

From 06-2004 to 12-2005

Certification Language Certificate 3 kyu. Graduated from JPTP - VietNam Language
University Specialized in Japanese-Language Proficiency

From 08-2009 to 06-2010

Certification Teaching Certificate
Graduated from FPT University Specialized in Education

From 05-2011 to 06-2011

Certification Trainer for Foundation Software Testing (Trainer of ISTQB)
Certification Professional for Foundation Software Testing (ISTQB)
Graduated from Vietnamese Testing Board - VTB Specialized in Education

From 07-2015 to 08-2015

Certification Cyber-security and its ten domains Graduated from Kennesaw State
University Specialized in Information Security

From 10-2016 to 01-2017

Certification Big Data, Hadoop, and Spark Basics Graduated from IBM Specialized in
Bigdata Technology

From 07-2018 to 08-2018

Certification Professional Certificate in Blockchain Fundamentals Graduated from
Berkeley University Specialized in Blockchain Technology

Skills	
Programming langs	Month experience
C++, Pascal	36
C#	36
Shell, bash	36
Foxpro	48
SQL	48
Java	48
Scala	36
HTML, javascript, typescript, css	96
Rust	24
Python & Flask	48
Programming framework, libs	
Bootstrap	36
ReactJS	36
React Native	36
Spring, SpringBoot	72
Akka	36
.Net	48
NodeJS, Moleculer	72
Software testing	
Webdriver, Selenium	72
Excel, CSV	96
Robot framework	72
Appium	72
Jmeter	48
IBM Rational test suite	48
HP Unified functional test suite	36
TestComplete suite	36
Ranorex suite	36
Web Goat	36
OWASP	36
ZAP	72
JUnit	48
TestNG	
Bigdata, Data engineering, Data analysis, ETL	
Python with Dask	48
Spark	48
HDFS with Impala	24
Hive	24
Hbase	24
Kafka	48
Airflow	12

MQTT	48
Flink	48
Tableau	36
Nvidia Jetson	36
Nvidia Deepstream	36
AI, Machine learning	
Python with Spacy	48
Python with OpenCV	36
Pytorch	36
Torchvision	36
Torchaudio	36
Google Tensorflow with Keras	36
Nvidia Tensor RT	36
Nvidia Deepstream	36
Transformer with Bart, Bert, Marian	36
Yolo	36
LLM with T5	24
LLM with	24
Vietnamese_llama2_7B_8K_SFT,	24
24 Vietnamese_llama2_7B_8K_SFT,	24
LLaMA-7B-4bit-32g,	24
dolly-v2-12b,	24
open_llama_13b	36
Rasa	24
Ontology	24
Database	
MS SQL	48
My SQL	48
Oracle	12
PosgreSQL	36
Cassandra, Scylla	36
MongoDB	36
Couchdb	36
Redis	48
Objectbox (Android)	36
Storage	
JSON	72
CSV	72
Parquet	48
Avro	48
Ontology	36
Server	
Ubuntu Server	96
Tomcat	36
Window Server	36
Linux Redhat	48

Nvidia Jetson Nano Nvidia Jetson Xavier NX	48 36
Cloud	
Google Storage, Function, Dataflow, Bigquery	48
AWS S3, Kinesis, DynamoDb, EMR, Lambda	48
Blockchain & Web3 application implementing	
Hyperledger Fabric Ethereum Solana Handshake HNS	36 36 12 12
DevOps	
Docker, Docker-compose, K8s Gitlab	48 36
Image video editing	
Adobe suite Gimp Inscape Kdenlive OBS	48 48 24 36 48

Working Experience	
Terms & periods	Do what?
7/1996 to 12/1999	
Position/ Jobs/ Roles	Translator, Intern software tester
Company	MultiTech Inc (Articles related to company: https://www.ddth.com/showthread.php/110302-T%E1%BA%BFt-h%E1%BA%A1nh-v%C3%A0-%C4%90%E1%BA%A1o-%C4%91%E1%BB%A9c-m%E1%BA%A5y-v%E1%BB%8B-vi-ph%E1%BA%A1m-b%E1%BA%A3n-quy%E1%BB%81n-%E1%BB%9F-VN)
Tasks	Translator: translate IBM Rational Unified Process to Vietnamese version Inter Dev, Tester: Watch and learn devs how to build and outsourcing window & web application system: .Net 1.5, .NET 2.0; MSSQL database
Scope (man month)	6

2/2000 to 1/2001	
Position/ Jobs/ Roles	Developer, Graphic Designer
Company	MultiTech Inc (Articles related to company: https://www.ddth.com/showthread.php/110302-Ti%E1%BA%BFt-h%E1%BA%A1nh-v%C3%A0-%C4%90%E1%BA%A1o-%C4%91%E1%BB%A9c-m%E1%BA%A5y-v%E1%BB%8B-vi-ph%E1%BA%A1m-b%E1%BA%A3n-quy%E1%BB%81n-%E1%BB%9F-VN)
Tasks	Dev, Graphic Designer: Develop a new window application system: A Graphical Introduction CD for Hanoi Tourism Administration. Using Adobe Macromedia Flash, Photoshops. Graphic Designer: Draw and edit vector image, using Adobe Illustrator. Arrange graphic assets into final animation movie product
Scope (man month)	30

11/2001 to 6/2004	
Position/ Jobs/ Roles	Developer, tester, BA
Company	Clip.co.jp (http://clip.co.jp/)
Tasks	BA: understand requirement, analyze and build SRS for team. Tech-lead: Develop by outsourcing a web application system: A game with definition of Crossword, played via internet. Dev, tester: Develop Macromedia/Adobe Flash application; Develop by outsourcing a windows application system: Furniture Requirement Management System. Manage furniture content from users, including add, edit, delete, synchronize data via internet. Dev: Develop Java JSP Servlet web app with Tomcat. Dev, tester: Develop by outsourcing a window application system: communicating real-time information application. Code-walkthrough and review with unit testing; Robotium with mobile auto testing, Jmeter performance/load testing; API with Soap UI; Security test/Penetration test with Kali linux guideline

	<p>Performance tester: using Rational robot to build script, then virtualize run with system with 100-1000 virtual users with sessions; report responded time, throughputs, resource costed each transaction from system.</p> <p>Automation tester: using Rational robot to record/code to build script, then run it against system to regression test; automated validate GUI, functions from system.</p> <p>TestLead: Test Writing TestCase, TestPlan, implementing TestCase. Develop Graphic, system design, coding the client flash content side.</p>
Scope (man month)	12

03/2005 to 11/2008	
Position/ Jobs/ Roles	Developer, software tester
Company	FPT Software - Fsoft (https://fptsoftware.com/)
Tasks	<p>Dev: Develop Java Spring MVC to build/fix a service for store management on retail shops for Japan customer, deployed with Tomcat, PostgreSQL database.</p> <p>Tester: MMC Card embedded testing for Matsushita Japan customer. Do testing TripWire Software. Writing TestCase, TestPlan, implementing TestCase. Verify code coverage by Rational Purify Plus. Code-walkthrough and review with unit testing C++ unittest, Java unittest; Robotium with mobile auto testing. Embedded testing with mmc card for Matsusita company (FPT customers): build scripts and monitor testing results.</p> <p>Performance tester: using Rational robot/Apache Jmeter to build script, then virtualize run with system with 100-1000 ++ virtual users with sessions.</p> <p>Automation tester: using Rational robot to record/code to build script, then self created java based auto-test framework.</p> <p>Security penetration system/web tester: using Kali linux and Goat, OWASP practices, applied to pentest system.</p> <p>Created <u>test</u> process: https://drive.google.com/drive/folders/1jKSh3y8OmnFCxEgPmorLROa_I5nBDM1n?usp=drive_link</p> <p>Created <u>requirement</u> process: https://drive.google.com/drive/folders/1qxXVMQ3kb1qS_9cgesR4w4dTsx0GaJyR2usp=drive_link</p>

Scope (man month)	3- 25
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2/2009 to 12/2016	
Position/ Jobs/ Roles	Teacher, Developer, tester, BA
Company	FPT University, FPT Software - Fsoft (https://fptsoftware.com/), VietIS (https://tuyendung.vietis.com.vn/)
Tasks	<p>2007, onsite Tokyo Japan for BA and testing with IBM Japan. Support FPT Software' to archive CMMi lv5. This assessment validates FPT Software' process capability at the highest level based on the CMMI standards that measure process improvements.</p> <p>2009, onsite London UK, from HarveyNash contract, for BA and testing hedge fund system. Stock Trading for hedge fund Test Onsite UK 1 month</p> <p>2010, do BA and build SRS document for Doximity American healthcare 2015, support VietIS Software' to archive CMMi lv3. Build process of Requirement and QA Testing: (see: https://drive.google.com/drive/folders/1jKSh3y8OmnFCxEqPmorLROa_I5nBDM1n?usp=drive_link) 2017, do BA with US customers for building a movie social application Tester.</p> <p>BA, tester: build SRS document for Doximity American healthcare ; Implementing execute, write, review tests. Applying Selenium RC& Grid, Webdriver, Appium,TestNG, Java to automation testing. Design and create Forum, social network for doctors. Code-walkthrough and review with unit testing; Appium with mobile auto testing, Jmeter performance/load testing; API with SoapUI, Postman; Security test/Penetration test with OWASP guideline. Embedded testing with main NVCII for Matsusita company (FPT customers): create testplan, build scripts and monitor testing results.</p> <p>Dev: Develop Java Spring MVC to build and fix bugs a service for commerce retail, adding items to card and shipping modules, with mqtt, PostgreSQL database; fixing bugs in JPA objects.</p> <p>Teacher: Teaching Ethics in FPT University Information Technology, Software Quality Assurance and Testing. Tizen OS, graphic characters, scenes background, assets</p> <p>BA Leader: Conduct, manage, build SRS document for movie social network for American customer; conduct meeting; transfer requirement; suggest and validate technical problems; solutions for system problems; Bệnh viện</p>

	<p>ElCamino / ElCamino hospital; IoT, Bigdata cho tòa nhà /Building management with bigdata; LGSP danh tính công dân /LGSP national identity; An toàn giao thông Astra /Astra safety transportation (dathoc.net/thesis);</p> <p>Test Leader: manage teams, writing testplan, wrote android test framework DFRS https://code.google.com/p/datadriven-for-robotium-selenium/wiki/DFRSintro</p> <p>Tester certification can be found here: https://dathoc.net/mycert</p> <p>Performance tester: using Rational robot/Apache Jmeter.</p>
Scope (man month)	10 - 45

6/2016 to 12/2017	
Position/ Jobs/ Roles	Developer, data engineer, data analyst
Company	VP9 (Articles: https://startup.vnexpress.net/tin-tuc/hanh-trinh-khoi-nghiep/8x-gay-dung-h-e-camera-giam-sat-phuc-vu-an-sinh-xa-hoi-3851491.html)
Tasks	<p>BA: onsite customer, analyze current system, find requirement; build demo system; build SRS document for team.</p> <p>Tech-lead: Manage & conduct test activities; build and manage a Chrome extension for people scoring based on Facebook posts. Do load test, performance test with Jmeter; unit test with TestNG, Nunit; API testing with SoapUI, Postman. Build AWS EMR, .NET, Java, Spark, AWS Redshift system to analyze customer satisfaction</p> <p>Data Engineering: Crawl facebook post, like, comment data from dex, transforming & cleanse data with webdriver, java, kafka, database elasticsearch, redis; create microservice with nodejs. Transforming with spark, flink cluster. Projects of Data crawling (dathoc.net/crawl); Listen to fb users and fb ranking (dathoc.net/fbrank);</p> <p>Dev: Develop Java with Spark, for crawl, transform data. Build web client with bootstrap, reactjs, backend with nodejs moleculer</p> <p>DevOps: do CICD; with Jenkins; and build pipeline with Spark MLlib for algorithm development.</p> <p>DA: use Tensorflow, Keras for optimize training images data. OpenCV for modeling image, RNN, https://simpletransformers.ai/ with Bart, Marian for nlp text, CNN for feed forward images; Nlp viết bài theo style phóng</p>

	<p>viên /Writes articles in the style of a reporter (dathoc.net/pp); Chatbot (dathoc.net/vchat); Ontology nlp (dathoc.net/orasa);</p> <p>Candidate and winner: 3rd Kambria contest https://www.facebook.com/KoolJ.InDaHouse/posts/10156203358320079</p>
Scope (man month)	15

2/2017 to 5/2017	
Position/ Jobs/ Roles	Technology advisors, data engineer, data analyst, BA
Company	Honda Vinh Phuc (https://www.honda.com.vn/)
Tasks	<p>Tech-lead: Build and manage a business bike sale plan, and revenue sale goal prediction: Honda Vĩnh Phúc dự báo nhu cầu /Honda <u>Vĩnh</u> Phuc forecasts (dathoc.net/honda)Transforming with spark, flink cluster Apply AWS: S3, EMR, Redshift. Code-walkthrough and review with unit testing; Appium with mobile & webdriver for functional auto testing, Jmeter performance/load testing; API with SoapUI, Postman; Security test/Penetration test with OWASP guideline; ;</p> <p>Dev, DevOps: AWS Build Spark MLlib for logistic regression algorithm development. Develop Java with Spark, for crawl, transform data. Build web client with bootstrap, reactjs, backend with nodejs moleculer</p> <p>Created Tableau data visualization process: https://drive.google.com/file/d/1XpHJ7py9ODmyNZ-BpupATjxYNfhOM4Ef/view?usp=drive_link</p>
Scope (man month)	15

7/2016 to 12/2018	
Position/ Jobs/ Roles	Freelancer, BA
Company	BIDV, Agribank, VietIS Fintech
Tasks	<p>BA, Teacher, Dev: 2016, support VietIS Fintech in finding at-risk customers from 20.000 mobile phone numbers, from outside banking context, in social networks like forums, facebook, insta.. posts and comments context. Find out who is risky, who is in good finance. Technologies used: webdriver, facebook account, java, spark, python, cassandra</p> <p>Dev: Develop Java Spring MVC to build and fix bugs a service for bank core: database retributed sub monitor, with mqtt, Oracle database. Develop & Build ecommerce web client with bootstrap, reactjs, mobile with reactnative,</p>

	<p>backend with nodejs molecular, couchdb database.</p> <p>Dev: build and implement embedded c++ with arduino with door system software support IoT system for VietIS corp</p> <p>BA, Dev: 2018, support Agribank in building data pipeline cloud platform with AWS, Google; practice on savings / credit / forex procedures ; on-premise monitoring bank application logs, build an data pipeline to monitor app logs, charting, and alerting which app in which resource is running in which status, alerting bad signal to departments. Technologies used: AWS, Google Cloud, filebeat, kafka, java, flink, spark, python, scylla</p> <p>BA, Specialist: 2018, support BIDV in data pipeline bank logs analysis & automation jobs, build a pipeline for logs monitoring, and action automation with bad signals. Technologies used: Uipath, filebeat, kafka, java, flink, spark, python, scylla</p>
Scope (man month)	15

7/2018 to 12/2020	
Position/ Jobs/ Roles	Blockchain designer, developer, embedded dev, data engineering freelancer, BA
Company	Freelancer for Sweden customers, Britist customers, Bytesoft (https://bytesoft.vn/en)
Tasks	<p>Dev: Build blockchain business apps focus: voting, scoring, supply chain, assets provenance, retail, finance credit...Build and develop web3 app with js: based on Ethereum, Solana, Celo. Build and develop smartcontracts based on Ethereum, Solana, Celo. Develop & Build web client with bootstrap, reactjs, backend with nodejs molecular; Project of Trích xuất nguồn gốc gạo /Extract the origin of rice (dathoc.net/rr); project of NFT và quản trị tài sản số duy nhất /NFT and unique digital asset management (dathoc.net/nft)</p> <p>Dev: build and implement embedded c++ with arduino with ZKteco software support IoT system for XuanMai building Corp: in control in/out door, light, smoke, and camera intruder detection; build some automation app with Nvidia Jetson Nano, Xavier NX in worker timesheet checking, robot auto strolling around buildings and keep watching/recognizing people in and out building.</p> <p>DE: Crawl crypto price data from dex (NodeJS, Molecular), transforming & cleanse data with webdriver, java, kafka, database elasticsearch, redis; create microservice with nodejs. Transforming with spark, flink cluster.</p>

	<p>Develop client side in HTML, CSS, JQuery; LGSP national identity; An toàn giao thông Astra /Astra safety transportation (dathoc.net/thesis);</p> <p>BA: understand customer requirement, build Agile task and backlog for team; build SRS for other departments.</p>
Scope (man month)	5

12/2020 to 3/2021	
Position/ Jobs/ Roles	Map engineering, developer, designer, data engineering, data analyst
Company	Caro (https://www.caro.vn/)
Tasks	<p>Dev: Create data map for taxi transportation: ; build geographical Vietnam map from 1.3 tb data; transformed with Spark; api with backend NodeJS, Moleculer, Redis. Crawl image from facebook, geolocation data from Here, TomTom map, transforming & cleanse data with webdriver, java, kafka, database elasticsearch, redis; create data api output; project of Bản đồ và dịch vụ tìm kiếm địa chỉ /Maps and address search service (dathoc.net/geomap); build some automation app with Nvidia Jetson Nano, Xavier NX in worker timesheet checking, a robot auto strolling, talking when robot finds an home objects, to support elders and autism children.</p> <p>DE: Transforming with spark cluster. Gathering facebook image for image procession for face recognition with AWS Rekognition, build heatmap. Develop & Build e-commerce web client with bootstrap, reactjs, mobile with reactnative, backend with nodejs moleculer, couchdb database; build geographical Vietnam map from 1.3 tb data location latlon spots; batch analytics with Hdfs Scylla, Spark, Python...monitor with Nodejs, Moleculer, Grafana, ELK, Prometheus; AWS with EMR, S3, Redshift; Google Cloud with Dataflow, Function, Bigquery & ML on demand; project of Chẩn bệnh phim chụp X lồng ngực /Diagnosis of chest X-ray film (dathoc.net/vx);</p> <p>BA: onsite taxi clients to getting understand how system applied. Rebuild SRS for dev team.</p>
Scope (man month)	25

3/2021 to 1/2022	
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Position/ Jobs/ Roles	Software architect, developer, designer, data engineering, data analyst
Company	Xuan Mai, Eco Green buildings (https://daututietkiem.vn/chu-dau-tu-du-an-eco-green-city-ha-noi/)
Tasks	<p>Tech-lead, Dev, BA: onsite 3 months for building requirement SRS; Design housing management software & blockchain for DSSI, EcoGreen buildings: NodeJS, Moleculer: Resident requirement support, Timesheet support; Car parking slot support; project of Chấm công vân tay, khuôn mặt /Time attendance fingerprint with face (dathoc.net/timesheet); project of Quản trị slot xe /Car parking slot management (dathoc.net/scar);</p> <p>DE: Crawl door in/out card access data from buildings, geolocation data from Here, TomTom map, transforming & cleanse data with webdriver, java, kafka, database elasticsearch, redis; create web/mobile applications Transforming with spark, flink cluster</p> <p>Dev: build mobile app with ReactNative, web with ReactJS; backend with NodeJS, for Building Resident request management; car and bike parking monitoring. Develop & Build monitor web client with bootstrap, reactjs, mobile with reactnative, backend with nodejs moleculer, couchdb database; project of Số hóa núi giấy tờ kèm tra cứu /Digitizing papers & procedures with searching (dathoc.net/digi); build automation app with Nvidia Jetson Nano, Xavier NX in worker timesheet checking, a robot auto strolling, talking when robot finds an stranger things like: babies go out to flat balcony from buildings; smoke from store buildings.</p> <p>Dev: build and implement embedded c++ with arduino with RAK software support IoT system for XuanMai building Corp: in control in/out door, light, smoke, and camera intruder detection</p> <p>Tech lead, Founder: Free 100% value IT course: DE Mentoring at https://dathoc.net/dem Free 100% value IT course: Blockchain, Defi, Metaverse Mentoring at https://dathoc.net/bdm</p>
Scope (man month)	25

3/2023 to 6/2023	
Position/ Jobs/ Roles	Software architect, developer, designer, data engineering, data analyst

Company	Veriserve (https://www.veriserve.co.jp/en/)
Tasks	<p>BA, Dev, DE: Japanese Veriserve org data engineering, data analyst (Crunchbase, Clutch, Gartner). JA-EN-VI translation webbased system (NodeJS, Moleculer, Spacy)</p> <p>Dev: build mobile app with ReactNative, web with ReactJS; backend with NodeJS, webdriver and Java libs, for translation system. Data crawling hook. Develop & Build ecommerce web client with bootstrap, reactjs, mobile with reactnative, backend with nodejs moleculer, couchdb database; project of Thu thập thông tin dữ liệu Đối thủ Bận hàng /Collect data Competitors (dathoc.net/corg)</p> <p>Dev: build and implement embedded c++ with arduino with Jetson Nano, Jetson Xavier NX, software support IoT system fo: robot for old ones and autism children</p> <p>BA, Dev: Using python transformer, pytorch, tesorflow, yolov8, tensor RT , Onnx, transformer, with Jetson Nano, Xavier NX devices</p>
Scope (man month)	25

8/2023 to 9/2024	
Position/ Jobs/ Roles	Update Dathoc.net Version 2 (Nodejs, Moleculer, Redis, Couchdb) Rebuild dathoc.net/atgt , dathoc.net/wt
Company	Freelancer Darwin Australia city dathoc.net/meye , Techvify https://techvify-software.com/about-us/
Tasks	<p>Dev: Dathoc Version 2. Develop & Build ecommerce web client with bootstrap, reactjs, mobile with reactnative, backend with nodejs moleculer, couchdb database: https://dathoc.net</p> <p>Dev: build and implement embedded c++ with arduino with Jetson Nano, Jetson Xavier NX, software support IoT system fo: Hanoi transportation with camera image/video detection</p> <p>Dev: build AI safety city with Yolo, Tensor RT. Build an city watcher for Darwin city of Australia: for monitor bad behavior in street, capture and detect by camera; classify 100 cameras to detect bad and public abnormalities: street fight, area trespassing, valdalizing, door breakin... demo https://dathoc.net/meye</p> <p>BA, Dev: Using AI llm modeling: python transformer, pytorch, tesorflow, yolov8, tensor RT</p>

	<p>AI Engineer: pytorch, tensor RT, Onnx, transformer, Vietnamese_llama2_7B_8K_SFT, Vietnamese_llama2_7B_8K_SFT, LLaMA-7B-4bit-32g, dolly-v2-12b, open_llama_13b, OpenCV, Spacy, Scikit-learn, Simpletransformers, transformer, AudioLDM, stablediffusion, t5-v1_1-base, Isinki-NLP, CLIP-ViT-H-14-laion2B-s32B-b79K, hubert_base_ls960</p> <p>Dev: build and implement embedded c++ with arduino with Jetson Nano, Jetson Xavier NX, software support IoT system fo: Darwin public abnormalities with camera image/video detection</p> <p>Dev: build and implement embedded c++ with arduino with python GTK: Nachi arm robot to mix chemicals.</p>
Scope (man month)	7

Archive Projects & Demos:

Các dự án Phân tích dữ liệu /Previous projects on Data Engineering & Data Analysis

- Framework autotest (dathoc.net/kp3);
- Data crawling (dathoc.net/crawl);
- Lắng nghe fb ranking (dathoc.net/fbrank);
- Bệnh viện ElCamino / ElCamino hospital; IoT, Bigdata cho tòa nhà /Building management with bigdata; LGSP danh tính công dân /LGSP national identity; An toàn giao thông Astra /Astra safety transportation (dathoc.net/thesis);
- Trích xuất nguồn gốc gạo /Extract the origin of rice (dathoc.net/rr);
- Honda Vĩnh Phúc dự báo nhu cầu /Honda Vinh Phuc forecasts demand (dathoc.net/honda);
- Khám bệnh từ xa/Remote medical examination (dathoc.net/wt);
- Chẩn bệnh phim chụp X lồng ngực /Diagnosis of chest X-ray film (dathoc.net/vx);
- Chatbot (dathoc.net/vchat);
- Bản đồ và dịch vụ tìm kiếm địa chỉ /Maps and address search service (dathoc.net/geomap);
- Nlp viết bài theo style phóng viên /Writes articles in the style of a reporter (dathoc.net/pp);
- Ontology nlp (dathoc.net/orasa);
- Đo đặc giao thông /Traffic measurement (dathoc.net/atgt);
- Số hóa núi giấy tờ kèm tra cứu /Digitizing papers & procedures with searching (dathoc.net/digi);
- Chấm công vân tay, khuôn mặt /Time attendance fingerprint with face (dathoc.net/timesheet);
- Quản trị yêu cầu tòa nhà /Admin of building requirements (dathoc.net/reqmag);
- Xây dựng ứng dụng blockchain /Building blockchain applications (dathoc.net/kp2);
- Xây dựng ứng dụng phân tích dữ liệu /Building data analytics applications (dathoc.net/kp1);
- Sàn giao dịch tài sản số Đông Hà Defi /Dong Ha Defi digital asset exchange (dathoc.net/dohc);
- MetageneViet (doc: dathoc.net/mmdoc; demo: [Link video](#));
- NFT và quản trị tài sản số duy nhất /NFT and unique digital asset management (dathoc.net/nft);
- Smartcity iDorm (dathoc.net/smart);
- Quản trị slot xe /Car parking slot management (dathoc.net/scar);
- Thu thập thông tin dữ liệu Đối thủ Bạn hàng /Collect data Competitors (dathoc.net/corg);

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- CV2DB - Số hoá CV /Digitizing CV (dathoc.net/cv2db)
- Dự báo khí tượng thuỷ văn sạt lở đất Cần Thơ, Khánh Hoà /Hydrometeorological forecasting of landslides, river water levels for Can Tho, Khanh Hoa (dathoc.net/dkl)
- Số hoá tài liệu, tra cứu ảnh hưởng bom mìn/Digitizing documents, looking up the effects of landmines and mines after the war for Hue and Quang Tri(dathoc.net/vbv)
- Đề án cải tạo thu thập thông tin cho tập đoàn Thép /Remaster the data acquisition and report for Steel Inc (dathoc.net/hs)
- Ứng dụng cảnh báo lừa đảo, gian lận không gian mạng/ Anti CyberThief (dathoc.net/act)
- NodeJS master notes for VN fans/ Kiến thức nodejs cần biết cho fan (dathoc.net/ntk)

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- LLM ad banner generation (dathoc.net/zalo2023)
- Melbourne AI safety city (dathoc.net/meye)
- Leadee search lead with 8 billions records (dathoc.net/leadee)
- Tìm kiếm hồ sơ xin việc/Talent acquisition search (dathoc.net/tacv)
- Tokenize dữ liệu VPBank/Data token (dathoc.net/datk)
- Livestream Bot/Bot hỗ trợ bán hàng livestream (dathoc.net/lb)
- AI support preventing cyber fraud/ Lá Chắn (dathoc.net/lc)
- Reviving images and sounds of martyrs and deceased relatives/ Hồi sinh hình ảnh, âm thanh liệt sĩ, người thân quá cố (dathoc.net/mmd)

Contacts & Reference:

- All projects: <https://dathoc.net/demo>
- Articles
 - https://funix.edu.vn/team_mf/pham-tuan-anh/
 - <https://vnexpress.net/ky-su-phan-mem-lam-giang-vien-dai-hoc-truc-tuyen-3503601.html>
- VTC1: <https://www.youtube.com/watch?app=desktop&v=zo3Tvdjcff8>
- Youtube channels:
 - <https://www.youtube.com/c/TesterPRO/playlists>
 - <https://www.youtube.com/c/DathocNet/playlists>
- My facebook page: <https://www.facebook.com/KoolJ.InDaHouse/>
- I used to work with:
 - <https://www.linkedin.com/in/nam63/>
 - <https://www.linkedin.com/in/nguyennam1/>
 - <https://www.linkedin.com/in/hoang-nam-tien-4b059321>
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