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| **BÙI QUỐC THUẬN**  **Software Developer**  Ho Chi Minh, VietNam  0985123631  [thuanbui.tech@gmail.com](mailto:thuanbui.tech@gmail.com) SUMMARY 5+ years in backend-focused full-stack development  Experienced in distributed and scalable microservice system  Familiar with Agile & CI/CD workflows SKILLS  * Python, Typescript * Flask, FastAPI, Angular, React * MongoDB, Cassandra, MySQL * Ansible, Docker, k8s(self-learn) * Intermediate English, reading and writing fluently  EDUCATION HCM City University Of Technology  Bachelor of Engineering and Technology  2012 – 2016  **Awards**  FPT Software HCM Top performance of the year 2017  **Projects**  Airole roles for AI Agents:  https://github.com/thuanbuitech/airole | PROFESIONAL EXPERIENCE **Project: Cloud-based network device management platform**  A cloud platform that help network administrators centrally manage their network devices (eg: access point, switch, gateway) on cloud via web and mobile applications.  Phases 4 to 12:  Remote Developer | Zyxel Corporation | Taiwan 03/2018 – 10/2021   * Gathered a local 4 members team to work with remote company directly * Trained system architecture for local team members * Collaborated with team to develop completely new UI design 2.0 * Led 2 members to develop features for a new product line * Maintained and fixed hundreds of difficult bugs on production environments   Phase 3:  Developer Level 2 | FPT Software | Ho Chi Minh City      08/2017 – 03/2018   * Studied new scalable microservice and distributed system architecture using OpenStack Oslo messaging(RPC & event notify) and Celery * Trained and managed tasks of 2 new fresher members * Developed common modules shared among microservices * Collaborated with team to redesign and migrate database from Cassandra to MongoDB to store document-driven user configuration effectively * Collaborated with team to redesign and develop all backend APIs follow new scalable architecture, update frontend respectively   Phase 2:  Developer Level 1| FPT Software | Ho Chi Minh City  01/2017 – 05/2017   * Studied entire codebase to take control project in next phases * Developed features in both backend Python Django and frontend AngularJS   **Project: Machine learning-based Image Search**  Build an image search web to search images in database using machine learning.  Developer Level 1 | FPT Software | Ho Chi Minh City 05/2017 – 08/2017   * Collaborated with team to train a similarity model using Python Tensorflow * Developed a module to pre-processing image using OpenCV * Optimized cosine similarity algorithm to reduce search time from 3s down to less than 1s for 10k images in database   **Project: Form Data Extraction Platform (OCR)**  A platform for form data extraction on web and mobile apps using OCR technology  Fresher Developer | FPT Software | Ho Chi Minh City 09/2016 –01/2017   * Developed a cross-platform mobile application using Xamarin * Developed REST APIs to support mobile app functionality using MVC.NET   **Project: Android Printer Widgets**  Fresher Developer | FPT Software | Ho Chi Minh City    06/2016 – 09/2016   * Developed one complete widget app independently * Collaborated with the team to develop an additional widget |
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