LE PHAM LAN ANH
Software Engineer

📅 17/09/2001   📞 0945334981

✉️ lephamlananh1709@gmail.com   📍 District 1, HCMC, Vietnam

in anniele09

Education

University of Science | Bachelor's Degree in Information Technology | *Honors Program (2019 - 2023)* | GPA: 9.09

Skills

> Programming languages: C/C++, Javascript, Typescript, Elixir, Java, Python

> Front-end frameworks/libraries: ReactJS, Redux, Bootstrap, Material UI, Ant Design, Cocos2dx-JS

> Back-end frameworks/libraries: Phoenix, Spring boot, FastAPI, Flask

> Databases: PostgresSQL, MongoDB, ElasticSearch, Firebase, Redis

> Communication Protocols: Rest API, Socket, Webhook

> Others: English communication, Git, Computer Science Fundamentals, Agile/Scrum

Achievements

> Winner of the Euréka Prize contest for Information Technology in 2023

> Rank #40 in the ICPC Vietnam Southern Provincial Programming Contest in 2020

> 2nd place in Thach Thuc Contest in 2021

> Accepted Paper at SOICT 2023: Combining Deep Learning and Medical Knowledge to Detect Cardiomegaly and Pleural Effusion in Chest X-rays Diagnosis

Work Experience

VNG ZingPlay Game Studios
Associate Software Engineer | May 2022 - March 2023

As a software engineer, I work with the Team Lead, Game Designers, and the Quality Control (QC) team, following Agile methodology to build and maintain a multiplayer game. I write Java and JavaScript code, applying design patterns to develop both the front-end and back-end server. Additionally, I deploy code to the development and production environments using Jenkins and address bugs when they arise in Jira.

OnPoint E-commerce
Junior Fullstack Engineer | Sep 2023 - Current

At Onpoint, I have worked on multiple e-commerce projects, including Opollo, Octopos, and LVN. As a full-stack engineer, I build responsive web UIs and back-end servers using Elixir, ReactJS, PostgreSQL, and other technologies. Additionally, I write unit tests and review code for my team. I manage code using Git, track tasks with ClickUp, and investigate bugs using Sentry and Kibana logs.

Projects

Opollo

Opollo is an intelligent e-commerce solution that allows brands to manage all aspects of their business. It offers a unified interface for managing B2B/B2C orders, products, chats, and pickup locations across platforms like Shopee, Lazada, and TikTok Shop. My responsibilities include:

➤ Developing reusable components and responsive pages using ReactJS, Redux, Bootstrap, and Material UI.

➤ Building Order, Product, Group Brand, Reconciliation Management System and other features like sending emails, exporting and pulling data.

➤ Writing REST APIs, designing data schemas, and implementing business logic based on Domain-Driven Design (DDD).

➤ Utilizing technologies and tools such as Elixir, PostgreSQL, MongoDB, S3, Elasticsearch, Redis, Cron Jobs, and RabbitMQ to develop the back-end system.

➤ Writing unit tests, testing APIs with Postman, tracking tasks with ClickUp, and investigating issues using Sentry and Kibana logs.

Crystal Guardians (Sinh Tu Mon)

It is a cross-platform 2D game featuring tower defense battles between two players, regulated by intricate and engaging rules. Players must strategically use their cards, which can represent towers, monsters, or spells, each with distinct properties and uses, to defeat their opponent across multiple rounds. This leads to a variety of strategic approaches during matches. My responsibilities include:

➤ Developing cross-platform UIs and beautiful animations for towers, monsters, and more using Cocos2dx-JS

➤ Implementing main game flow and features such as the Card Inventory, Lobby Screen, Matchmaking, and Clan events.

➤ Designing class and sequence diagrams, and using design patterns like Factory, Observer, and Object Pool to make the code cleaner and more reusable.

➤ Writing APIs and managing data with Java, NoSQL, and Redis.

➤ Handling multiplayer game synchronization between the server and clients.

Chest X-Rays Abnormality Detection

This system automatically detects 14 abnormalities in uploaded chest X-ray images. Detected abnormalities are highlighted with bounding boxes on the image using AI models that my friend and I trained, combined with medical expertise.

➤ Training the YOLO model using K-fold Cross Validation to detect 14 abnormalities in chest X-ray images.

➤ Collecting and creating custom datasets to train the U-Net model for segmenting the heart, lungs, and diaphragm.

➤ Leveraging medical expertise to enhance the YOLO model's performance in detecting signs of cardiomegaly and pleural effusion.

➤ Developing user interfaces with JavaScript and Flask that enable users to upload images and view results from the trained models.