VIET SON BUI

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TECHNICAL SKILLS:

- **Languages / Frameworks / Libraries (proficient):** HTML/CSS/SCSS/JS, TypeScript, ReactJS, Redux, Next JS, Tailwind, React UI Components (Ant Design, React Bootstrap), VueJS , Vuex, Vuetify, NuxtJS, AWS Serverless, NodeJS, ExpressJS, TypeORM, Sequelize, Jest, PM2
- **Languages / Frameworks / Libraries (priorproficient):**
  Express Handlebars view engine, dotnet core, C#, Java, C/C++
- **Storages:** MySQL, PostgreSQL, CouchDB, IndexedDB, PouchDB, DynamoDB, S3
- **Tools:** Source control (Git, SVN), NPM, CI/CD (Bitbucket pipeline)
- **Web Servers:** NGINX

WORK AND PROJECT EXPERIENCE:

Phimhaytv.org   **HCM City | 2023 – Currently**

Personal project

- **Description**: The project's goal is to build a movie web application that offers users a fun and interactive experience of watching, searching, and commenting on movies. It also focuses on SEO and improving the lighthouse score for the best performance. It uses free and limited AWS resources but ensures unlimited user satisfaction.
- **Tech stacks**:
  o Using TypeScript and JS languages, NextJS creates static pages in a NodeJS environment. The applications are hosted on NGINX-configured EC2 t2 micro instances.
  o Database is MySQL.
- **Highlight**:
  o Some keywords are on top of Google.

- o The application can handle high loads on a linux system with low CPU and RAM resources, and refreshes movie data automatically.
- o Based on Google Analytics, movie application attracts more than 3000 unique users daily. It ranks 117.810 globally and 2.679 nationally in April 2023 based on similarweb.com, two months after deployment.

Template.net   **HCM City | 2021-2023**

Leader & Senior Software Engineer

Website Project

- -   **Description**: The website project features landing pages where users can browse, search, and buy model templates using Stripe Service.
- -   **Tech stacks**:
  - o Back-end uses AWS Serverless (lambda, S3…) and EC2 with JS language and NodeJS environment, Front-end uses NextJS framework.
  - o Database is MySQL and Search Engine is Algolia service
- -   **Highlight**:
  - o I was the leader of a team of five members.
  - o Improved the lighthouse score of the landing pages from yellow to green on desktop devices and used Next Image library to optimize the score for better SEO.
  - o Upgraded Next JS versions from 9 to 11 to reduce build time from 0.5 hour to about 5 or 6 minutes and fix bugs, used ISR feature for the dynamic data so the server need not to render on each request.
  - o Rebuilt the payment service for better security and to fix persistent payment bugs.
  - o Performed payment business analysis and testing, without the need for BA and QC staff, in a resource-constrained environment.
  - o Made document project technical on Jira Confluent.
  - o Established coding standards for development and enforced compliance using Eslint and Prettier.

DAM

- -   **Description**: DAM is a dashboard that allows users to manage their personal and payment information, access downloaded templates, upload media for their design, and collaborate with team members.
- -   **Tech stacks**:
  - o Back-end uses AWS Serverless (lambda, S3, SQS…) with JS language and NodeJS environment. Front-end uses ReactJS, Redux, Redux Saga and Material UI.

o   Database is MySQL**.**
-   **Highlight**:
o   Redesigned the front-end architecture and maintained the backend for the dashboard to facilitate easier extension.
o   Participated in business discussions and acted as Scrum Master to guide the team towards achieving each sprint goal.

Graphic Project

-   **Description**: Graphic project is a page that enables users to create and edit their own templates.
-   **Tech stacks**:
o   Back-end uses AWS Serverless (lambda, S3…) and EC2 with JS language and NodeJS environment. Front-end uses ReactJS, Redux, Redux Saga, and Material UI.
o   Database is MySQL.
-   **Highlight**:
o   Enhanced storage service by using S3 to store user's template data instead of database.
o   Mentored and trained fresher. Introduced design patterns and shared knowledge with other members to improve code quality.

Orient Software Development   HCM City | 2020 – 2021

Senior Software Engineer

IOT Management Panel

-   **Description**: IOT Management Panel is an internal project of Karcher Group assisting to manage all AWS resources.
-   **Tech stacks**:
o   Back-end uses AWS Serverless (lambda, S3, SQS, SSM, ES, DynamoDB…) with JS language and NodeJS environment.
o   Front-end uses ReactJS, Redux, Redux Saga and Ant Design.
-   **Highlight**:
o   Mentored and trained fresher members.

Detergent Database

-   **Description**: Detergent Database is a web application that handles detergents, formulas, raw-material, suppliers, producers, and products for the Karcher Group.

- **Tech stacks**:
  o Back-end uses AWS Serverless (lambda, S3, Cognito) with TypeScript language and NodeJS environment.
  o Database is Amazon Aurora PostgreSQL.
- **Highlight**:
  o Involved in business discussion.
  o Researched to optimize API performance so the user could push the unlimited size of file to S3.

Nashtech Global   **HCM City | 2018 – 2020**

Software Engineer

Lowell - PDU

- **Description**: PDU is a system to manage personal data universal.
- **Tech stacks**:
  o Back-end uses dotnet core with DDD architecture and GRPC. Front-end use VueJS, Vuex, Vuetify.
  o Database is Neo4J.
- Highlight:
  o Transferred VueJS and Vuex knowledge to the team to develop front-end.
  o Proposed using design pattern to facilitate service expansion.
  o Developed an internal tool to automate the conversion of Excel file to JSON file for frequently updated master data.

Saturn F1

- **Description**: Projects assist Cvzones (a vehicle maintenance center) with managing and caring for customers, vehicles, and drivers. They also collected and analyzed data on the tire market in India for their business.
- **Tech stacks**:
  o Back-end uses NodeJS with ExpressJS framework and Typescript language. Front-end uses VueJS, Vuex, Element UI. Using NuxtJS for the dashboard.
  o Databases are CouchDB, PouchDB.
- **Highlight**:
  o Improved searching performance by studying CouchDB and PouchDB documents. I cut down the search time from 2 minutes to 2.5 seconds.
  o Fixed overloading server.

Mekong Resources   **HCM City | 2017 – 2018**

Frontend Engineer Intern

- Cut HTML / CSS / JS and animation.
- Self-study, time management and teamwork.

EDUCATION:

- **HCM University of Science**   2015 – 2019
  - Bachelor's degree in Software Technology
- **HCM University of Architecture**   2008 – 2013
  - Bachelor's degree in Construction Engineer
- **Additional Courses**:
  - Data structure & algorithm on UC San Diego (Coursera)
    Award: Certificate Honor Code

Languages & Interest

Languages: English, Vietnamese.

Interest: Table tennis, football, and Messi.