THE TIEN DAU

Software Engineer

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Summary

I'm a full-stack developer passionate about building software that improves people's lives. I'm looking for a chance to gain work experience as a Software Engineer, opportunities to develop my skills, take on exciting projects, and work with people I can learn. Willing to work hard and excited to continue learning new skills to become a successful developer.

Technical Skills

- **Programming languages:** Ruby (over 5 years of experience), Javascript(3 years of experience)
- **Frameworks / Libraries:** Ruby on Rails (over 5 years of experience), ReactJS(3 years of experience), Redux
- **Cloud platforms:** AWS, Heroku,
- **Server administration**: Ubuntu server
- **Storage:** PostgreSQL
- **Tools:** Vim, Git, Docker, Terraform
- **Paradigms:** Event-driven Development, Test-driven Development, Object-oriented Programming, Model-View-Controller

Work experience

Full-stack developer   May 2023 - Present

Global Health - Melbourne

- Implemented the Hot Health application - the all-in-one patient engagement platform using **Rails**, **Vue**, **Postgresql** and **Rspec**
- Collaborated with third-party providers to effectively manage integration and data synchronization
- Led the Rails Upgrade project, ensuring a seamless upgrade of Ruby on Rails versions
- Implemented CI/CD and Testing procedures by creating an optimized GIT flow, setting up Bitbucket pipelines, and developing a unit test suite with over 70% code coverage
- Developed, estimated, and delivered software modules on schedule in alignment with strategic objectives
- Mentored new team members to enhance team knowledge and efficiency
- Provided essential customer support, including building reports, identifying the issue during the integration process
- Conducted code maintenance and refactoring to optimize system performance
- Supported integration team with new techniques to meet project deadlines.

Full-stack Developer   April 2020 - May 2023

Employment Hero - Ho Chi Minh

- Integrated a **learning management system** with third-party Go1, utilizing stacks including **Sinatra**, **Postgresql**, **Rspec**, and **ReactJS**
- Implemented **security group setting** features within management modules using **Rails**, **Postgresql**, **Rspec**, **ReactJS**, and **Typescript**
- Managed official employment documents within a **document management system** utilizing **Rails**, **Postgresql**, **Rspec**, **ReactJS**, **Typescript**, and **React Native**
- Collaborated directly with third-party providers to ensure seamless integration and data synchronization
- Constructed monitoring pages to identify and resolve unexpected issues with integration processes
- Developed a complex service for creating and updating management features
- Designed and implemented a migration flow for transferring legacy data to new data structures without errors
- Provided mentorship to new team members and assisted the mobile team with implementing new design concepts across various modules.

Full-stack Developer   Sept 2018 - Feb 2020

Cyber Logistics (Pty) Ltd - Ho Chi Minh

- Developed BACS, a containers and vessels checking system using **Rails**, **ReactJS**, **Elasticsearch**, and **Postgresql**
- Implemented SNIPE, a pricing support system using **Rails** and **Postgresql**
- Implemented ONE-chatbot to support the BACS project with **NodeJS**, **Dialogflow**, and **Google cloud function**
- Applied **ReactJS** and **Redux** to the Frontend repository
- Built and maintained test suites from scratch
- Optimized full-text search with Elasticsearch
- Worked independently and efficiently in a team to develop a website from scratch to completion using Rails and React
- Awarded the best growth of the year prize since 2018

Full-stack Developer   Jun 2017 - Jan 2018

Vinova - Ho Chi Minh

- Utilised OOP in Ruby to implement various functionalities.
- Worked independently and efficiently on a team of 8 developers to develop a website from scratch to the end using Rails and various common Ruby gems.
- Designed and implemented database architecture for applications.

Personal projects

Dwf

A distributed workflow runner using Sidekiq and redis

- Used **Sidekiq** as a background worker.
- Stored workflow state on **Redis.**
- Built a test suite that uses **Rspec and Simplecov** to cover all possible happened cases.
- Continuous Integration with **GitHub action.**
- Having many stars on **Github** and many installations on **RubyGem.**
- RubyGem: wf
- GitHub: wf

TopLands

A statistic application about Ho Chi Minh real estate prices

- Stack: **ReactJS, Redux, Rails**
- Use **Capistrano** to deploy the API to **Azure VPS**.
- Designed a web-based UI with **Google Material Design** inspiration.
- Deployed front-end to **Heroku.**
- Utilised background(**SideKiq**) processing to scrap data daily.
- Continuous Integration with **CircleCI.**
- Backend config with **Nginx, Puma, and Let's Encrypt.**
- Integration: **Facebook graph API, Google Analytics, Skylight, Slack.**
- GitHub: real_estate_researcher

Education

Bachelor of Engineering (Software)   August 2014 - July 2019

Viet Nam National University HCMC - University Of Information Technology

Major: Information system.

Achievements: Receive scholarships to encourage good learning