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

- Project
  - Hot Health
    - Stacks: Rails, Vue, Postgresql, Rspec
- Responsibilities
  - **Third-Party Integration**: Direct collaboration with external providers to ensure seamless integration and data synchronization across clinic platforms.
  - **Rails Upgrade**: Led the seamless upgrade of Ruby on Rails versions to the latest releases.
  - **CI/CD and Testing**: Implemented Bitbucket pipelines and developed a unit test suite that improved code coverage to over 70%, enhancing code quality and reducing bugs.
  - **Module Development**: Partnered with the project manager to develop, estimate, and deliver software modules on schedule, aligned with strategic objectives.
  - **Mentorship**: Guided new team members, enhancing team knowledge and efficiency.
  - **Customer Support**: Provided essential report building and customer support as needed.
  - **Code Optimization**: Conducted code maintenance and refactoring to improve system performance.
  - **Technical Support**: Supported integration team with new techniques to meet project deadlines.

Full-stack Developer   April 2020 - May 2023

Employment Hero

- Projects
  - **Learning management system** - Integration system with third-party Go1
    - Stacks: Sinatra, Postgresql, Rspec, ReactJS
  - **Security Group Setting -** the features management modules
    - Stacks: Rails, Postgresql, Rspec, ReactJS, Typescript
  - **Documents -** Manage official employment documents
    - Stacks: Rails, Postgresql, Rspec, ReactJS, Typescript, React Native
- Responsibilities
  - Cooperated directly with the third party to maintain the integration of the learning management platform and keep syncing data consistent with the third-party provider.
  - Built monitoring pages for investigating unexpected issues and resolving stuck integration.
  - Developed a complex service for creating and updating management features.
  - Built a migration flow that migrates the massive legacy data to the new data without any unexpected bugs.
  - Mentored newcomer.
  - Supported the mobile team in maintaining and applying a new design to various modules.

Full-stack Developer   Sept 2018 - Feb 2020

Cyber Logistics (Pty) Ltd

- **Projects**
  - **BACS** - The containers and vessels checking system
    - **Stacks: Rails, ReactJS, Elasticsearch, Postgresql**
  - SNIPE - The pricing support system
    - **Stacks: Rails, Postgresql**
  - ONE-chatbot - support for the BACS project
    - **Stacks: NodeJS, Dialogflow, Google cloud function**
- **Responsibilities**:
  - Applied ReactJS and Redux to the Frontend repository.
  - Built and maintained test suites from scratch.
  - Optimised full-text search with Elasticsearch.
  - Worked independently and efficiently on a team to develop a website from scratch till the end using Rails and React.
- **Achievements**
  - The best growth of the year prize since 2018.

Full-stack Developer   Jun 2017 - Jan 2018

Vinova

- 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