

# DAU THE TIEN

Software Engineer

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## Summary

I am a Ruby on rails developer. I have self-taught web development and Ruby on Rails since my junior at my university and graduated Ruby on Rails courses at CodeSchool in August 2017. I work primarily in Ruby on Rails and have experience in ReactJS, HTML, CSS, CoffeeScript, Twitter Bootstrap, Materialize, etc.

I'm looking for a chance to gain work experience as a Ruby on Rails Developer. Willing to work hard and excited to continue learning new skills to become a successful developer.

I want to work somewhere where I'll have opportunities to develop my skills, take on interesting projects, and work with people I can learn from. I write elegant, readable code and learn new things. New technologies are always enjoyable for me, I love to build software that solves problems and makes life easier.

## Technical Skills

- **Programming languages:** Ruby, Javascript, HTML5, CSS3, Slim, Haml, CoffeeScript
- **Frameworks / Libraries:** Ruby on Rails, ReactJS, Redux, MaterializeCSS, Bootstrap, jQuery, Grape
- **Cloud platforms:** AWS EC2, Digital Ocean, Heroku, Google Cloud, Azure
- **Server administration:** Ubuntu server, Nginx
- **Storage:** PostgreSQL
- **Tools:** Vim, Git, Terminal
- **Paradigms:** Behavior-driven Development, Test-driven Development, Object-oriented Programming, Responsive Web Design, Model-View-Controller

## Work experience

### Full stack Developer (Ruby/ ReactJS)

April 2020 - Present

#### Employment Hero

- Team size: 9 members (7 backend developers - 1 front-end developer - 1 project owner)
- **Projects**
  - **Learning management system** - Integration system with third party Go1
    - **Activities**
      - Corporate directly with the third party to maintain the integration of the learning management platform
      - Keep syncing data consistency with third-party.
      - Build monitoring pages for investigating unexpected issues and resolving stuck integration
      - Optimize performance to slow endpoints
      - Design modules database
      - Query data based on support team requirements
    - **Stacks**
      - Sinatra
      - Postgresql
      - Rspec
      - ReactJS
  - **Security Group Setting** - the features management modules
    - **Activities**
      - Design database and migrate the design to Rails code
      - Develop the complex service for creating and updating management features records
      - Build a migration flow that migrates the massive legacy data to the new data without any unexpected bugs
    - **Stacks**
      - Rails
      - Postgresql
      - Rspec
- **General activities**
  - Optimize and Refactor code

- Maintain legacy complex modules
- Corporate with the project owner to raise the solution and build a plan on working projects
- Utilize OOP in Ruby to implement various functionalities
- Build reusable modules to develop faster in the future
- Support team members
- Mentor newcomer
- Sharing knowledge with team members
- Build many test suites which covered most of the cases in the service
- Document the services which were the team worked on

## Full-stack Web Developer (Rails / React)

Sept 2018 - Feb 2020

### Symphony Creative Solution

- Team size: 9 members (4 full-stack developers - 2 backend developers - 1 front-end developer - 2 QC)
- **Projects**
  - **BACS** - The containers and vessels checking system
    - **Activities**
      - Migrate Rails view to ReactJS view and build relative APIs
      - Build a checking vessel and container service with multi-steps and complex conditions from scratch
      - Optimize full-text search, raking suggestions with Elasticsearch
      - Discuss with PM assistant and suggest solution on working feature
      - Work independently and efficiently on a team to develop a website from scratch till the end using Rails and React
      - Build and maintain test suits
    - **Stacks**
      - **Rails**
      - **ReactJS** and **Redux**
      - **Elasticsearch**
      - **Postgresql**
  - **SNIFE** - The pricing support system
    - **Activities**
      - Refactor Rails application to a new pattern for clean code and optimize performance.
      - Enhance bad performance SQL
      - Migrate Sidekiq job to ActiveJob over 100 jobs
      - Unify paginating gem
    - **Stacks**
      - **Rails**
      - **Postgresql**
  - **ONE-chatbot** - support for BACS project
    - **Activities**
      - Build and maintain the rule-based bot
      - Research and build a sample chatbot with Nature Language Understanding in 2 weeks.
      - Train DialogFlow models, develop and test manually the handling function
    - **Stacks**
      - **NodeJS**
      - **Dialogflow**
      - **Google cloud function**
- **General activities:**
  - Utilize OOP in Ruby to implement various functionalities.
  - Apply ReactJS and Redux to handle the front-end part of company projects.
  - Maintain applications (Optimizing, Refactoring function).
  - Build reusable modules to develop faster in the future.
  - Support other team members.
- **Archived**
  - The best growth of the year prize since 2018.

## Ruby on Rails Developer - Part time job

Jun 2017 - Jan 2018

## Vinova

- Team size: 7 full-stack developers
- Utilize OOP in Ruby to implement various functionalities.
- Maintain applications (Optimizing, Refactoring function)
- Work independently and worked efficiently on a team of 8 developers to develop a website from scratch till the end using Rails and various common Ruby gems.
- Build reusable modules to develop faster in the future.
- Support the team and other team members.
- Design and implemented database architecture for applications.
- Share my knowledge with my team members, coworkers and learned from them.

## Personal projects

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### Dwf

A distributed workflow runner using Sidekiq and redis

A graph-based gem devised to facilitate the organization of jobs into self-describing workflows. It uses Sidekiq API to store assignments and dependencies among them.

- Use **Sidekiq** as a background worker.
- Store workflow state on **Redis**.
- Build a test suite that uses **Rspec** and **Simplecov** to cover all possible happened cases.
- Continuous Integration with **Github action**.
- Having 10 stars on **Github** and over 3000 installations on **RubyGem**
- RubyGem: [wf](#)
- Github: [wf](#)

### TopLands

A statistic application about Ho Chi Minh real estate prices

The application is getting data from several real estate sites. Users can get more details about selling lands or districts.

- Front-end: **ReactJS**, **Redux**
- Backend: **Rails**
- Use **Capistrano** to deploy the API to **Azure VPS**.
- Design a web-based UI with **Google Material Design** inspiration.
- Deploy front-end to **Heroku**
- Utilize background(**SideKiQ**) processing to scrap data daily
- Continuous Integration with **CircleCI**
- Backend config with **Nginx**, **Puma**, **Let's Encrypt**.
- Integrate **Facebook grape API** to post hot deals to the Facebook page.
- Integrate **Google Analytics** for tracking web traffic.
- Integrate **Skylight** for profiling backend
- Integrate **Slack** for notifying errors
- Github: [real\\_estate\\_researcher](#)

## Education

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### Web security with the OWASP testing

February 2021 - March 2021

Robusta

Web security with the OWASP testing framework training course

### Ruby on rails

June 2017 - August 2017

Coderschool

Ruby on Rails courses at CoderSchool in August 2017

### Degree of Engineer

August 2014 - July 2019

Viet Nam National University HCMC - University Of Information Technology

**Major:** Information system.

**Degree Classification:** Good - **GPA:** 7.59

**Award:** Receive scholarships to encourage good learning(once)

**Certificate:** TOEIC 815