

Ruby Bui

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Education

University of Wisconsin - Parkside

Expected May 2025

BS in Computer Science & Information Systems, minor in Economics - GPA: 3.5

Kenosha, WI

Relevant Coursework: Big Data & Causal Inference, Information Security Planning, Operating Systems, Cloud Computing

Work Experience

Full Stack Developer (Full-time)

Feb 2022 - Present

Coderpush Pte Ltd (mystorage.vn)

Remote

Saigon's first professional self-storage and door-to-door storage service. Tech stack: Ruby on Rails, React, Node, TypeScript, Python, Postgres, AWS S3, AWS EC2, GCP, GitHub Action, and Ansible.

- Developed a seamless distributed processing system for booking and self-storage workflows, resulting in a **70% decrease** in data discrepancies and errors by implementing multi-channel data ingestion from Zoho, Google Big Query, Storeganise, and a client-facing application.
- Increased efficiency in key administrative workflows (pricing, payments, accounting, contracts, customer management, and pickup/return scheduling) by **100 hours per week** by automating processes through integrations with Xero, Google Analytics, SignNow, and Retool.
- Established proactive monitoring of key performance indicators (database query errors, slow queries, slow response times, frequent errors/exceptions, and unusual API calls) through a robust logging system with severity monitoring in NewRelic dashboard, **resulting in a 30% reduction in troubleshooting time and fewer production issues.**

Full Stack Developer (Part-time)

Feb 2023 - Feb 2024

Hivestories (<https://truyennhaong.vn/>)

Remote

- Collaborated with a team of 4 to develop applications in Flutter and C# to support a network of young writers.
- Constructed the app's ad (Google AdMob) and commerce (subscriptions and in-app purchases) frameworks, resulting in **over 200,000 monthly ad impressions** and a viable revenue model.
- Implemented a CI/CD pipeline (GitHub/Microsoft IIS), shifting deployments **from weekly to on-demand** and eliminating manual intervention. Designed an automated email alert system for bug tracking, slashing incident-response times from **2 weeks to under 24 hours.**
- Significantly reduced content theft and bolstered data security, **resulting in a 140% increase in writer retention** by implementing Vietnam's first AES encryption of novel content.

Software Engineer

Aug 2021 - Jan 2022

CMC Global

Hanoi, Vietnam

A B2B data-sharing ecosystem helping device manufacturers share collective sensor data in compliance with legal requirements. Tech stack: Python Django, React JS, Jest, Redux, Microsoft Azure, GitLab, Rest API

- Implemented OAuth2 using Authorization Code Flow with Proof Key for Code Exchange (PKCE)
- Integrated SonarCloud and ensured **95% test coverage**, ensuring a maintainable & reliable codebase.

Skills

Languages: TypeScript, JavaScript, Ruby, Python, Dart, C#, Java, SQL (Postgres, MySQL), NoSQL (MongoDB)

Frameworks: React, Vue, Angular, Node.js, Rails, Flask, Django, ASP.NET Core, JUnit, Jest, RSpec, Elasticsearch

Developer Tools: Git, Docker, Kubernetes, GCP, AWS, Microsoft Azure, Terraform, TensorFlow, New Relic, Datadog.

Projects

Software Engineer

Mar 2025- Now

<https://orchestras.vn>: High-Volume Ticket Platform

- Developed a full-stack platform for landing pages, interactive seat selection, and ticket sale management, utilizing Payload CMS, PostgreSQL, and Vercel.
- Successfully scaled to handle **100,000+ requests** within the first hour, driving **\$30,000** in ticket sales.

Infrastructure Engineer

Feb 2025-Now

BiboAI

- Engineered a Go/Python/NextJS platform, investigated, and contributed to developing a microservices architecture with Celery, Kubernetes & OpenTofu to generate audio bilingual children's books using AI.
- Successfully published muopdb_python_client package to communicate with vectorized DB through gRPC.

Software Engineer

Feb 2025-Now

Mind Matters

- Secured \$10,000 WYSIS Grant by developing an innovative AI-powered solution for student stress analysis leveraging React Native, GCP (Big Query, Cloud Run, Cloud Functions), and Django. Spearheaded AI model development by packaging, building, training, and redeploying model.