

# VAN MANH NGUYEN

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## FULL STACK RUBY ON RAILS DEVELOPER

Full Stack Ruby on Rails Developer with over 8 years of experience designing, implementing, testing, and deploying scalable and user-facing applications, with additional experience in developing applications for startup companies that attract more than 100,000 users and help raise capital successfully. Passionate about delivering high-quality code and ensuring optimal performance. Proficient in utilizing different technologies like Ruby, JavaScript, Postgres, and Ruby on Rails.

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Microservices • Object Oriented Programming • Design Patterns • Project Lead  
Front End/Back End • Test Driven Development • CI/CD • Cloud Computing

**Languages:** Ruby, JavaScript

**Web:** HTML, CSS, Bootstrap, Tailwind

**Web Services:** RESTful API, GraphQL

**Web/App Servers:** Puma, Apache

**Frameworks:** Ruby on Rails, Laravel, CakePHP, Wordpress, Magento ver 1 and 2, NestJS, NodeJS

**Databases:** MySQL, MongoDB, Neo4j, Postgres

**Design Patterns:** Singleton, Factory, Decorator, Facade, Strategy, Observer, Builder

**SDLC:** Agile methodologies, Scrum, Waterfall, eXtreme Programming, DevOps, Kanban

**Tools:** VSCode, Postman, Orbstack, Insomnia, Notion, DBeaver, Slack, Jira, Obsidian, Ruby Mine, IntelliJ IDEA, Sourcetree, Microsoft Teams, Microsoft Office, Microsoft PowerPoint, Microsoft Excel, Loom, Figma, Photoshop XD

**Cloud:** AWS, Heroku, Vercel

**Other:** Docker, Linux, CI/CD, Distributed System Design, Microservice, Test Driven Development, Domain Driven Design

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## PROFESSIONAL EXPERIENCE

**CAREER NOTE:** Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

### SOTATEK JSC, Hanoi, Vietnam • 02/2022 – 01/2024

IT Outsourcing Company.

#### Full Stack Ruby on Rails Developer

Built backend API

- **Engineered** a multiservice system including store management, queue arrangement, and omnichannel chat, leveraging Ruby on Rails and Angular, **boosting** store efficiency by 30% and **cutting** loading time by 25%.
- **Customized** the Mastodon open-source system by integrating user authentication and reputation systems, **amplifying** user engagement and **minimizing** spam.
- **Built** a recruitment system from scratch using React and Node.js, **processing** over 10,000 applications and **accelerating** the hiring process, thereby **reducing** time-to-hire significantly.
- **Guided** and **mentored** teams of 5 to 17 members, **enhancing** efficiency in the Software Development Life Cycle (SDLC) and **achieving** more reliable software delivery.
- **Automated** deployment pipelines using Jenkins and Docker, **reducing** deployment times and **increasing** deployment frequency.

**Technologies Used:** Mastodon Open Source, Ruby on Rails, Restful API, GraphQL, MySQL, PostgreSQL for BE, Angular for FE, ReactJS for FE, NestJS, NodeJS, Devise, RSpec, Redis, Sidekiq

### FUJITECH JSC, Hanoi, Vietnam • 07/2021 – 01/2022

IT Outsourcing Company.

#### Full Stack Ruby on Rails Developer

Built full stack application.

- **Revamped** an insurance calculation project by upgrading from Angular 5 to Angular 10, **boosting** performance by 40%.
- **Migrated** and **refactored** a legacy Ruby backend, **utilizing** Docker for containerization, which **minimized** bug reports by 30% and **expedited** the development cycle by 20%.
- **Collaborated** with cross-functional teams to ensure **seamless** project delivery, consistently **achieving** project milestones.

- **Enhanced** existing functionalities and **engineered** new features to meet client requirements, resulting in more robust applications.
- **Wrote** and **maintained** RSpec tests to **ensure** code quality and reliability.

**Technologies Used:** Ruby, Ruby on Rails, RSpec, Restful API, Angular 5, Angular 10, PostgreSQL, Docker

#### **MED247 CORPORATION, Hanoi, Vietnam • 07/2019 – 05/2021**

Clinic system production system for medical examination and healthcare technology.

##### **Ruby on Rails Developer**

Built full stack application.

- **Developed** a production system for medical examination and healthcare, **enabling** remote consultations for over 100,000 patients, **increasing** consultation efficiency by 35%.
- **Optimized** system performance and scalability using Ruby on Rails, Elasticsearch, GraphQL, Redis, Sidekiq, and PostgreSQL on AWS infrastructure, **improving** data retrieval speeds significantly.
- **Integrated** PayPal and Stripe for payment processing, **reducing** payment-related issues by 50% and **speeding up** payment processing by 30%.
- **Collaborated** with stakeholders to **enhance** application quality and performance, **streamlining** issue resolution processes.
- **Designed** and **maintained** various features to **improve** user experience and **meet** evolving healthcare needs, **ensuring** client satisfaction.

**Technologies Used:** Ruby on Rails, Elasticsearch, GraphQL, Devise, RSpec, Redis, Sidekiq and PostgreSQL on AWS infrastructure

#### **NEOTIQ, Hanoi, Vietnam • 07/2018 – 06/2019**

IT Outsourcing Company.

##### **Full Stack Developer**

Built full stack application.

- **Delivered** technology solutions that **improved** project timelines, resulting in **accelerated** deployment and **increased** client satisfaction.
- **Constructed** a document intelligence platform for financial services using ReactJS, NodeJS, Neo4j, and Swagger, **increasing** document processing speed by 35%.
- **Implemented** a cryptocurrency payment system for a dating platform using PHP and Blockchain, **boosting** transaction security by 40% and **reducing** payment processing times by 25%.
- **Created** real estate management and smart purchase systems using Ruby on Rails and ReactJS, **applying** MVC architecture to **enhance** user experience and **increase** customer engagement.
- **Developed** a headless CMS for a public health institute using Ruby on Rails and PostgreSQL, **streamlining** content management processes.

**Technologies Used:** ReactJS, NodeJS, Neo4j, MongoDB, Swagger, PHP, Ruby on Rails, ReactJS, PostgreSQL on AWS infrastructure

#### **Br24 Vietnam, Hanoi, Vietnam • 08/2015 – 05/2017**

Specialized in image editing for photographers & studios, e-commerce, architecture & real estate, advertising & marketing, publishers & printing and more.

##### **Web Developer**

Developed photoshop script and internal system.

- **Developed** Photoshop scripts with JavaScript to **automate** various functions, **boosting** user productivity.
- **Designed** and **implemented** an automated system for **distributing** and **organizing** products, **improving** efficiency and **reducing** errors in product handling.

**Technologies Used:** CakePHP, JavaScript, Vagrant, Laravel

### **ACADEMIC PROJECTS**

**Maharishi International University (2024) University Connect:** University Connect is a social media platform tailored for university students, facilitating community building, academic collaboration, and information sharing. Responsibilities included designing and implementing the frontend using React, creating user profiles, authentication, and authorization. Worked on the integration of the frontend with the backend, developed using Java and Spring Boot. Additionally, contributed to implementing the resource library and search functionality. The project followed an n-tier architecture model

to ensure scalability and maintainability. Utilized React, Java, Spring Boot, Spring Security, JWT Token, RESTful APIs, MySQL, Docker, Microservice

**Maharishi International University (2024) Real Estate Platform:** The Real Estate Platform project is a backend API designed to facilitate property transactions by providing functionalities such as property listing management, user authentication, search capabilities, messaging between users and agents, and administrative tools for content moderation. Built using Java and the Spring Boot framework, it follows an n-tier architecture to ensure modularity and scalability. The role in this project involved designing and developing various backend modules, specifically implementing core features such as user authentication/authorization, user management, and administrative tools to enhance functionality and manage data effectively. Utilized Java, Spring Boot, Spring Security, JWT Token, MySQL, Docker, Microservice

## EDUCATION

### **Master of Science in Computer Science**

*(In progress via distance education; expected completion 10/2026)*

Maharishi International University, Fairfield, Iowa

Key Courses: Enterprise Architecture, Software Engineering, Web Applications - Architecture and Frameworks

### **Bachelor in Information Technology**

Hanoi University of Science and Technology, Hanoi, Vietnam (06/2018)