

Nguyen Vu

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EXPERIENCE

Devour

Vancouver, BC

Fullstack Engineer | MongoDB, ReactJS, NodeJS, ExpressJS, TypeScript, Docker, GCP, Terraform

October 2023 - May 2025

- Developed and maintained key features across admin, merchant, and customer portals of DevourGO app, including Checkout and Promotional Brand Maps, significantly enhancing user experience and platform functionality.
- Key team member responsible for the redesign and implementation of the DevourGO side of DevourPlay, an innovative in-game overlay app leveraging the Overwolf API, driving 20% user growth and increasing daily active engagement by 40%, allowing seamless rewards redemption and food ordering in the game.
- Enhanced system reliability by extending SimpleHash webhook API response handling, implementing cron jobs via GCP Cloud Scheduler to efficiently manage digital NFT ownership transfer tracking and error recovery.
- Developed robust on-chain payment processing solutions utilizing ETH and Solana's FUELX cryptocurrency, significantly improving transaction efficiency and platform scalability.
- Improved performance by refining MongoDB aggregation pipelines and front-end data fetching processes, reducing page load times by approximately 35%.
- Monitored system performance using GCP, rapidly addressing critical alerts and proactively resolving software issues, maintaining a 99.9% application uptime SLA to ensure continuous platform availability.
- Created automated test suites using Jest and Playwright, improving error detection, reducing bugs, and increasing development efficiency.
- Led technical execution for major platform features including Blockchain Reward Redemption, Gaming Guild integrations, and Embeddable Widgets, optimizing database architecture and enhancing API performance with ExpressJS.

SIC Education

Hanoi, Vietnam

System Analyst Intern | MongoDB, ReactJS, NodeJS, ExpressJS

July 2022 - March 2023

- Developed and launched a comprehensive MongoDB, Express, React, and Node (MERN) stack application for efficient schedule and payroll management, significantly increasing productivity by 40% and reducing manual data entry errors by 30%.
- Delivered timely and effective technical support, including troubleshooting and maintenance of IT hardware, enhancing overall operational reliability.
- Conducted in-depth system analysis, implemented robust software solutions, and optimized data processes, ensuring consistent system reliability, accurate data management, and high user satisfaction.

University of Alberta

Edmonton, AB

Teaching Assistant & Software Developer | Django, PostgreSQL, SQLite, ReactJS

2021 - 2022

- Developed and maintained websites, implementing front-end features and automated data scraping solutions with Python, resulting in a 50% reduction in data processing time for research teams.
- Built a full-stack application supporting seamless CRUD operations for research inventory management, enhancing efficiency and data management capabilities.
- Designed and implemented a Covid check-in system using Google Apps Script to automate daily data reporting to lab managers, significantly streamlining lab management processes.
- Managed lab setups, assignment grading, and provided direct student support, facilitating learning outcomes and student success.

EDUCATION

University of Alberta

Edmonton, Alberta

Bachelor of Science in Computing Science, with Specialization (GPA: 3.75 / 4.0)

September 2018 - December 2022

PROJECTS

FlickPedia | MongoDB, ReactJS, NodeJS, ExpressJS

[Link](#) | [Github](#)

- Built a full-stack movie database application with an intuitive interface, featuring efficient pagination and debouncing for improved user navigation and experience.

EFCL Financial Proficiency Assessment Tool | DRF, ReactJS, PostgreSQL

[Demo](#)

- Developed a digital assessment tool, improving financial data efficiency by 70% across 30+ community associations in Edmonton Federation Of Community League.

Squawker Social Distribution | DRF, HTML, CSS, jQuery

[Demo](#) | [Github](#)

- Created a real-time social networking platform, enhancing server speed by 30% with Django multithreading.

Mobilibrary | Java, Figma, Firebase, TravisCI

[Demo](#) | [Github](#)

- Built an Android app enabling users to borrow and lend books online, integrating seamless UI/UX design.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, HTML, CSS/SCSS, SQL, NoSQL, C, Java, Bash

Technologies: React, NextJS, NodeJS, ExpressJS, MongoDB, Django, PostgreSQL, jQuery, Bootstrap, Tailwind, Jest, Playwright, Firebase, GCP

Tools: Git, Github, Docker, JS toolsets (ES6+, Webpack, Babel), Android Studio, Postman