Nguyen Vu

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EXPERIENCE

Devour (acqui-hired from Frame One Software) — 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 a comprehensive 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.

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.

SummarAIze | React, TypeScript, Webpack — Github
- Built a Chrome extension that summarizes YouTube videos using transcripts from the InnerTube API and LLMs like Mistral 7B and GPT-4o, with a clean UI, real-time parsing, and robust scraper-free architecture.

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