# Minh Nguyen

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• github.com/MinhNguyen5199 • minhnguyen-portfolio.vercel.app

#### **WORK EXPERIENCE**

Full Stack Developer Aug 2023 – Dec 2023

Egeez – Remote Internship Toronto, Ontario

- Analyzed requirements and translated them into technical specifications, resulting in the successful development of an application.
- Integrated client-side data visualization libraries (e.g., D3.js) to present complex data interactively and intuitively, leading to a 25% increase in user engagement with data-driven content.
- Reduced the website's loading time by 50% by optimizing image assets and implementing lazy loading techniques, leading to improved user experience and a 15% decrease in bounce rate.
- Participated in customer feedback sessions, implementing key UI/UX improvements with React and Tailwind that resulted in a 20% increase in user engagement.

Tech used: MongoDB, ExpressJS, React, NodeJS, TypeScript, Google Cloud, WordPress

Freelance Web Developer May 2023 – Jun 2023

Sports Rent Calgary, Alberta

- Conducted detailed discussions with the local store owner to align project goals and create wireframes, mock-ups, and establish an optimal site structure, layout, and user flow.
- Implemented SEO best practices to enhance online visibility and accessibility, leading to a 15% increase in organic traffic and improving search engine ranking positions.
- Integrated Google Analytics to track user behavior, leading to data-driven design improvements that increased user retention by 25%.
- Developed responsive and visually appealing pages, resulting in a 20% increase in user engagement. Ensured consistency in branding and aesthetics.

Tech used: React, Java Spring Boot, MySQL, Hibernate, Maven, WordPress, Heroku

Back End Developer Jan 2023 – Apr 2023

#### Crunchbase – Remote Contract Part-time

Burnaby, British Columbia

- Developed modular, reusable Django components libraries, leading to a significant 30% decrease in development time across various projects.
- Wrote over 100 robust unit tests for new functionalities, ensuring code quality, early defect detection, and efficient collaboration within the development team.
- Developed a RESTful API that facilitated integration with 15 third-party services, resulting in expanded business partnerships and an impressive 20% increase in revenue streams.
- Optimized SQL queries to reduce data retrieval time by 30%, resulting in improved user experience and reduced CPU time.

Tech used: Python, Django, Docker, Kubernetes, Redis, PostgreSQL, GraphQL, Google Cloud

## **EDUCATION**

Software Development May 2021 – Dec 2022

Southern Alberta Institute of Technology

Courses: Data Structures & Algorithms, Java OOP, Web Development, Database Design and Programming, Mobile Application Development, UI/UX, Operating System, Software Projects: Analysis, Design, Management, Testing and Deployment, Security

Awards: \$5000 of Alexandra Award and 1 free semester

#### **PROJECTS**

#### NEXTJS ECOMMERCE WEBSITE (https://github.com/MinhNguyen5199/ecommerce)

**Tech Used:** TypeScript, NextJS, Tailwind, Prisma, Stripe, Cloudinary, PostgreSQL, GraphQL, Apollo, Pothos, Docker and Kubernetes, and Microsoft Azure.

**Project Objective:** The project aimed to explore the benefits of Next.js and GraphQL in web development. I discovered that Next.js significantly improves SEO and enhances performance through server-rendered pages. Meanwhile, GraphQL excels in optimizing network performance, and supporting real-time interactions, but may introduce unnecessary complexity for smaller projects.

### LIBRARY MANAGEMENT SYSTEM WITH .NET 8 AND ANGULAR (https://github.com/MinhNguyen5199/AngularApp)

**Tech Used:** Angular 17, Material UI, Back-end ASP.NET Core WEB API using .NET 8(C#), SQL server from Google Cloud, Google App Engine, and Vercel.

**Project Objective:** The ultimate goal of this project is to acquire proficiency in Angular 17 and .NET 8, while also gaining in-depth insights into Google Cloud and its underlying cloud technologies. By completing this project, I aim to learn new programming languages in web development, cloud architecture, and software engineering practices.

## **SKILLS**

Front End: HTML, CSS, JavaScript, TypeScript, React, Angular, Redux, Tailwind

Back End: Node.js, Express.js, Python, Java, Next.js, C#, GraphQL, Apollo, MongoDB, Oracle SQL, MySQL, MS SQL

**Deployment and Project Management:** Heroku, Vercel, Docker, Kubernetes, Google Cloud, Azure, AGILE, SCRUM, JIRA, GitHub, GitLab, Confluence

#### **LANGUAGES**