

Brian Nguyen

Full-Stack Software Engineer

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PROJECTS

Amplify

[Live](#) | [GitHub Repo](#)

(Python / JavaScript / React / Redux / Flask / SQLAlchemy / Postgres / AWS S3 / HTML5 / CSS / Render)

Full-Stack Spotify clone where users can create and follow their favorite playlists and stream music.

- Integrated React to develop a customizable media player component that allows users to track song completion using Redux and handles the next song in queue, thus enhancing users' personalized music listening experience.
- Built a robust search feature using React, allowing users to quickly find and add their favorite tracks to their playlists while utilizing AWS S3 to enable seamless playlist image uploads, reducing server load and ensuring scalable image services.
- Employed modern front-end technologies such as HTML and CSS to create a visually appealing and responsive user interface, resulting in a seamless and intuitive user experience while also implementing a secure authentication system utilizing bcrypt and JWT to protect user data and privacy.

CogniVerse

[Live](#) | [GitHub Repo](#)

(TypeScript / JavaScript / React / Next.js 13 / Tailwind / CSS / Prisma/ Stripe / Crisp / Clerk / OpenAI / Replicate AI)

Full-Stack AI Platform providing innovative conversation, code, image, music, and video generation features.

- Implemented Stripe's monthly subscription service, enabling users to seamlessly subscribe to premium features. This integration provides users with a flexible, secure, and convenient payment processing option.
- Engineered a free tier system with API limiting, optimizing resource usage and enhancing scalability. This ensures a smooth experience for users while maintaining efficient resource management, resulting in cost savings and better performance.
- Architected the integration of Crisp Chat, centralizing customer communications and allowing for multi-channel support. This feature streamlines customer interactions, leading to improved response times and better customer engagement.

HomeyBnB

[Live](#) | [GitHub Repo](#)

(JavaScript / React / Redux / Express / Sequelize / PostgreSQL / SQLite3 / HTML / CSS / Render)

Full-Stack Airbnb clone for users to search through a vast listing of properties, read reviews, and HomeyBnB their home.

- Ensured user privacy and autonomy through frontend and backend authentication measures, allowing users to only access and make changes to their own spots and reviews when logged in.
- Developed RESTful APIs using Express.js to enable smooth data flow between front-end and back-end.
- Utilized React Hooks and functional components to improve code maintainability, increasing overall efficiency.

LCSX

[Live](#) | [GitHub Repo](#)

(Python / JavaScript / React / Redux / Flask / SQLAlchemy / PostgreSQL / HTML / CSS / Render)

Full-Stack Yelp group project with robust user features including reviews and searching for local restaurants.

- Developed and implemented the user profile page using React and Redux, allowing users to manage their account information and view their previous activity.
- Constructed and designed the sign-up and login pages utilizing React and Redux, enabling users to easily create and manage their accounts.
- Demonstrated strong adaptability in a fast-paced work environment by participating in daily meetings to identify and resolve project challenges and ensure timely delivery of a one-week project deadline.

WORK EXPERIENCE

Medical Scribe

October 2017 — January 2019

CityMD Urgent Care Walk-in Medical Clinic

New York, NY, USA

- Facilitated efficient patient care by documenting medical history, physical exam findings, and treatments in real-time, resulting in an average of 20% reduction in patient wait times.
- Collaborated with healthcare providers to ensure accurate and complete documentation of patient visits, resulting in improved continuity of care and reduced errors in medical records by 15%.
- Leveraged knowledge of medical terminology and procedures to accurately transcribe patient charts and records, honing my attention to detail and ability to manage complex data.

VOLUNTEER & RESEARCH EXPERIENCE

Events Director and Web Developer

June 2011 — Present

Chieu Kien Buddhist Temple

Bronx, NY, USA

- Successfully coordinated fundraising drives and meditation retreats that raised funds for the community.
- Designed and produced email communications using Mailchimp, resulting in a 30% increase in email open rates and engagement with the temple community.
- Facilitated effective communication and collaboration among temple staff and volunteers by leading weekly meetings and maintaining detailed meeting minutes, resulting in improved team dynamics.
- Initiating the design and development of a modern, user-friendly website, aimed at improving online engagement and accessibility for the community members.

Researcher

August 2016 — May 2017

Geisinger Commonwealth School of Medicine

Scranton, PA, USA

- Collaborated with researchers to investigate the association between trusting formal or informal sources of health information and smoking cessation, utilizing best practices for data analysis.
- Presented research findings at a research symposium, employing communication skills and data visualization to engage with a diverse audience and answer questions.
- Demonstrated strong attention to detail in data management, ensuring that all study information was properly recorded and accounted for.

SKILLS

Programming & Scripting

- Javascript
- Python
- TypeScript
- SQL
- HTML5
- CSS

Frameworks/Tools

- React
- Redux
- Playwright
- Express.js
- Node.js
- Flask
- Sequelize
- SQLAlchemy
- SQLite3
- PostgreSQL
- Amazon Web Services S3 (AWS)
- jQuery
- Git
- Render
- Firebase

Key Skills

- Pair Programming
- Test-Driven Development (TDD)
- Object-Oriented Programming (OOP)
- Scrum and Agile Development Methodologies
- Data Structures and Algorithms
- Custom Auth
- Empathetic
- Detail Oriented
- Data Analysis and Collection

Languages

- English
- Vietnamese
- Spanish

EDUCATION

App Academy

- *Highly selective Full-Stack Web Development bootcamp with a 3% acceptance rate*

St. George's University School of Medicine

- *Doctor of Medicine (M.D.)*

Geisinger Commonwealth School of Medicine

- *Masters in Biomedical Sciences (M.B.S.) with a 3.62 GPA*

Stony Brook University

- *Bachelor of Science in Interdisciplinary Biology (B.S.)*

AWARDS AND HONORS

- Certificate of Medical Humanities from Overlook Medical Center/Atlantic Health
- Alpha Epsilon Lambda Honor Society
- Sigma Beta Honor Society
- National Society of Collegiate Scholars
- Dean's Honors List (5 semesters)