

Kevin Van Nguyen

<https://github.com/kvnbanunu> | <https://www.linkedin.com/in/kvnbanunu> | <https://banunu.dev>

ABOUT

Systems-focused software developer with over three years of experience building performant and reliable software in C, Go, and TypeScript. My work spans distributed systems, network protocols, backend services, and developer tooling, with an emphasis on correctness, scalability, and clean system design. I'm motivated by solving complex technical problems and creating software that is both efficient under the hood and intuitive to use.

WORK EXPERIENCE

QuickStyle | React Developer Tool | NPM Package | *JavaScript, React, TailwindCSS, Vite, Babel* Mar 2026 - Ongoing

- Lead a team of four to win first place overall at the **BCIT Hack the Break 2026** hackathon.
- Designed to let developers edit the content and styling of a React application directly within a live browser view while automatically updating the underlying code. QuickStyle helps streamline and speed up front-end development.
- Leveraged Vite hot-reload, Babel plugins, and session storage to effectively persist changes in the UI and source code.
- <https://devpost.com/software/quickstyle> | <https://github.com/kvnbanunu/quick-style>

DBTUI | Terminal UI Database Manager Tool | *Go, SQLite, Bubbletea* Nov 2025 - Ongoing

- Designed and developed solo in one day for the **BCIT HTTP Hacks 2025** hackathon, awarded **Best UI/UX**.
- Built an intuitive terminal interface using Charm Bubbletea to create, view, and edit SQLite databases directly from the CLI.
- Significantly improved API testing and development workflows through rapid data inspection and modification.
- <https://devpost.com/software/dbtui> | <https://github.com/kvnbanunu/dbtui>

Flynt | Full-Stack Web Application | *Go, TypeScript, NextJS, SQLite, React, TailwindCSS, Docker, Nginx* Sept 2025 - Dec 2025

- Lead a team of four students to build a habit-streak tracking platform with social features inspired by Snapchat and Strava.
- Designed and Implemented the backend API, frontend, and database with full **self-hosted deployment** on a VPS.
- Managed containerization, reverse proxying, and production configuration for a scalable deployment.
- <https://flyntapp.io> | <https://github.com/kvnbanunu/flynt>

Terminal Chat System | Distributed Systems Application | *C, Ncurses, CMake* Jan 2025 - Apr 2025

- Designed a custom network protocol compliant with RFC Internet Protocol standards for real-time messaging.
- Developed robust client-server architecture with automated recovery, error handling, and protocol validation.
- Built comprehensive test suites and ensured interoperability across multiple independently developed clients and servers.

Network Royale | Terminal-Based Networked Multiplayer Game | *C, Ncurses, SDL2, CMake* Nov 2024 - Dec 2024

- Final project demonstrating networking fundamentals including serialization, concurrency, and multiplexing.
- Implemented real-time multiplayer communication with a terminal-based UI and optional gamepad support.
- Extended core requirements with additional gameplay features to enhance user interaction.

TECHNICAL SKILLS

Languages & Frameworks: C, C++, Go, TypeScript, JavaScript, Python, Java, SQL, Bash, Lua, ReactJS, NextJS, HTML, CSS

Systems & Tooling: Linux, NodeJS, NPM, Docker, Git, CMake, Nginx, Neovim, TailwindCSS, SQLite, MongoDB, Supabase

WORK EXPERIENCE

Lab Proctor | Systems Administrator | British Columbia Institute of Technology Sept 2025 - Present

- Developed and tested automation scripts to simultaneously re-image 25+ lab machines weekly, improving reliability and turnaround time.
- Collaborated with BCIT Computing faculty to automate system configuration and integrity checks across instructional lab environments.
- Supported maintenance of Linux systems, ensuring consistent, secure, and reproducible lab setups.

Assistant General Manager | Steve's Poke Bar Sept 2021 - Aug 2024

- Created initiatives for promoting sales and employee skill development while systematically handling supply management.

EDUCATION

British Columbia Institute of Technology (BCIT) | Set Representative

Bachelor of Science, Applied Computer Science | Network Security Applications Development Sept 2025 - April 2027

Computer Systems Technology Diploma | Data Communications & Internetworking | Distinction Sept 2023 - May 2025