

# Bradley Barker

## Senior Developer

Full-Stack Developer | AI Tinkerer | VS Code Extension Creator

GitHub: <https://github.com/barkerbg001> | LinkedIn: <https://www.linkedin.com/in/barkerbg001/> | Email: [barkerbg001@gmail.com](mailto:barkerbg001@gmail.com)

---

## ABOUT

I am a dedicated Senior Developer with a solid background in full-stack development, particularly with Xamarin, ASP.NET, and WCF Services. Over the past 6 years at Thoughtware, I've gained experience in Docker, and Azure DevOps Services. I focus on delivering high-quality software solutions and enjoy collaborating with cross-functional teams to drive projects from start to finish. I am also continuously enhancing my skills in .NET, Python, and React through personal projects. I hold a Bachelor's degree in Information Technology from Pearson Institute of Higher Education, where I maintained strong academic performance and received several awards.

## EXPERIENCE

### Senior Developer

*Thoughtware | Mar 2024 — Present*

Migrating the procurement/stock management app to React Native with a Python FastAPI backend.

Leading the modernization of the company's procurement/stock management application. Started by spearheading the migration from Xamarin to .NET MAUI, and now driving the migration to React Native for Android/iOS/Web, and Electron for desktop platforms, with a Python FastAPI backend. Creating detailed project plans, optimizing CI/CD pipelines, and managing technology upgrades across the stack.

Technologies: React Native, FastAPI, Python, Docker, Git, Microsoft SQL Server, WCF, ASP.NET, Azure DevOps, Electron, Project Management

### Semi Senior Developer

*Thoughtware | Mar 2022 — Mar 2024*

Maintained and enhanced the Xamarin app; trained new team members.

Halfway through this role, the team lead resigned, and all other team members left, leaving me as the sole developer. I continued to develop and enhance the procurement/stock management application, built Docker images for the .NET API and Angular portal projects, and helped implement Docker-based solutions and streamline CI/CD processes using Azure DevOps. I also onboarded and trained three new developers.

Technologies: Docker, Git, Xamarin, Microsoft SQL Server, WCF, ASP.NET, Figma, Angular, Azure DevOps, ASP.NET Web API, Project Management

### Experienced Developer

*Thoughtware | Mar 2021 — Mar 2022*

Redesigned the UI and started developing a new API.

Started the creation of a separate API and led a comprehensive redesign of the UI for the procurement/stock management application based on designs provided by our designers.

Technologies: Git, Xamarin, Microsoft SQL Server, WCF, ASP.NET, Figma

## Application Developer Consultant

Thoughtware | Jan 2020 — Mar 2021

Maintained and enhanced the existing Xamarin app.

Worked in a team to maintain, update, and improve the procurement/stock management application written in Xamarin. Tasked with removing Syncfusion from the app and finding open-source alternatives for each feature being used. Ensured high-quality deliverables and client satisfaction.

Technologies: Git, Xamarin, Microsoft SQL Server, WCF, ASP.NET, Figma

## PROJECTS

### Ruby Sea - VS Code Theme

VS Code, JSON, Theme Development

A minimal, dark theme for VS Code with vibrant red and blue accents. Features a carefully crafted color palette with deep dark backgrounds (#0e1b2a workbench, #122236 editor) and vibrant syntax highlighting using red (#ff4c5a, #ff6b57) and blue (#62c6ff, #3da5f6) accents. Includes complete UI theming for workbench, editor, and panels, semantic highlighting support, and well-balanced colors for optimal readability. Published on the VS Code Marketplace with thousands of installs. The theme provides a beautiful coding experience with easy-on-the-eyes dark backgrounds and vibrant syntax colors that make code easy to read and understand.

### Quirk Counter

React, Vite, CSS3, LocalStorage

A modern, feature-rich event tracking application built with React 18 and Vite 5. Features include four beautiful themes (Dragon Dynasty, Neon Nexus, Forest Grove, Ruby Sea) with smooth transitions and dynamic logo tinting, collapsible sidebar navigation with keyboard shortcuts, enhanced analytics dashboard with KPI cards, trend indicators, interactive bar and line charts, real-time event search and filtering, Kanban-style todo list with drag-and-drop, category management with custom categories, data export (JSON/CSV), debounced localStorage persistence, daily reset functionality, and fully responsive design. Built with React 18, Vite 5, modern CSS3 (Grid, Flexbox, Custom Properties), and LocalStorage API. Includes lazy loading, code splitting, memoization, error boundaries, and full keyboard navigation support.

### Bradley Barker – Developer Portfolio

Next.js, TypeScript, React, Tailwind CSS, PWA

A personal portfolio website built with Next.js and TypeScript, designed to showcase my full-stack development work across web, mobile, and backend projects. The site highlights projects using technologies like React Native, .NET, and Python, and features a clean, responsive design. Deployed on Vercel, it's optimized for performance and ease of navigation, giving a clear view of my skills and experience. Features full Progressive Web App (PWA) capabilities with offline support, installable functionality, and service worker caching.

### Pokédex — Modern Pokémon Explorer PWA

React, Vite, Axios, PWA, CSS3, External API

A modern, feature-rich Progressive Web App (PWA) built with React 19 and Vite that provides comprehensive Pokémon information using the PokéAPI. Features include infinite scroll, real-time search, advanced filtering by type, generation, ability, and attack stats, detailed Pokémon views with base stats, type effectiveness charts, evolution chains, and complete move lists. Includes favorites system with localStorage persistence, dark/light theme toggle, and full PWA capabilities with offline support, installable functionality, and service worker caching. Built with React, Vite, Axios, and modern CSS with responsive design that works seamlessly on desktop, mobile, and tablets.

## **Barkify**

Next.js, React, TypeScript, Firebase, Zustand, PWA

A modern Next.js Progressive Web App (PWA) that delivers short, uplifting daily content to brighten your day. Features include custom reminders with Firebase Firestore sync, interactive dashboards with KPI tracking (Active Reminders, Due Today, Total Reminders, Day Streak), today's preview cards, secure user authentication (Email/Password, Google Sign-In), day streak tracking, badge system, notification settings (email, push, SMS coming soon), auto-save settings, cache management, and full offline support with service worker caching. Built with Next.js 16, React 19, TypeScript, Firebase Auth & Firestore, Zustand for state management, and CSS Modules. Fully responsive design that works on all devices with native app-like experience when installed as a PWA.

## **CERTIFICATIONS & ACCOMPLISHMENTS**

2025 - Version Control

2025 - Programming with JavaScript

2025 - Introduction to Mobile Development

2024 - CS50 Artificial Intelligence

2022 - Foundations of Project Management

2022 - Crash Course on Python

2017 - 2019 - Bachelor of Science - BS, BSc Information Technology | Eduvos (formerly CTI Education Group)

## **TECHNICAL SKILLS**

### **LANGUAGES & FRAMEWORKS**

.NET, Python, React, Next.js, FastAPI, Angular, JavaScript, HTML, CSS, PHP, Java

### **MOBILE & CROSS-PLATFORM**

React Native, .NET, Electron, Xamarin

### **CLOUD & DEVOPS**

Azure, Docker, Kubernetes, Github, GitHub Actions

### **TOOLS & OTHERS**

Mysql, Firebase, Bun, C#, OpenCV

### **DESIGN & GAME DEVELOPMENT**

Figma, Unity, Blender