Bradley Barker

Senior Developer

Senior Full-Stack Developer | React Native • Python • .NET

GitHub: https://github.com/barkerbg001 | LinkedIn: https://www.linkedin.com/in/barkerbg001/ | Email: barkerbg001@gmail.com

ABOUT

Senior Full-Stack Developer specializing in .NET, React, and Azure. I build scalable APIs, modern mobile apps, and production systems used across multiple business units. Recently, I've led modernization projects migrating legacy Xamarin applications to React Native while improving performance and reliability.

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 custom VS Code dark theme I built for personal use and published to the Marketplace. Includes full editor and workbench theming with semantic highlighting and consistent UI colors. Actively used by thousands of developers.

Quirk Counter

React, Vite, CSS, LocalStorage API

A React event-tracking dashboard built to experiment with performance optimization. I implemented modular components, real-time search and filtering, drag-and-drop task management, and persistent client-side storage. The project focuses on frontend performance and UX, using lazy loading, code splitting, memoization, and debounced LocalStorage persistence, along with a responsive layout and full keyboard accessibility.

Bradley Barker – Developer Portfolio

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

A personal portfolio built with Next.js and TypeScript to showcase my full-stack work across web, mobile, and backend projects. I designed the layout, implemented responsive UI, and added PWA functionality with offline support and service worker caching. Deployed on Vercel and optimized for performance and navigation.

Pokédex — Pokémon Explorer PWA

React, Vite, Axios, PWA, CSS

A React-based Progressive Web App consuming the PokéAPI, featuring infinite scroll, real-time search, and offline support. I built reusable UI components for Pokémon views and implemented client-side persistence and service worker caching for installable PWA functionality.

Barkify

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

A Next.js Progressive Web App with user authentication and cloud-backed reminders. I built the frontend using React and Zustand, integrated Firebase Auth and Firestore, and implemented PWA offline support with service workers. Includes dashboard metrics, reminder scheduling, and persistent user settings.

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