

Mike Bros

Full-Stack Software Developer

Minneapolis, MN • bros21@gmail.com • (612) 968-8834

[GitHub](#) • [LinkedIn](#)

Summary

Pragmatic full-stack developer with over 5 years of experience architecting and scaling high-impact backend systems, billing pipelines, and internal platforms. Known for turning loosely scoped ideas or problems into robust, production-ready solutions under tight constraints and across cross-functional domains.

Deep expertise in Laravel, Vue, MySQL, with a strong emphasis on test-driven development, maintainability, and efficient developer experience. Disciplined and self-motivated with a proven ability to lead mission-critical projects remotely while pursuing full-time education. A collaborative problem solver and systems thinker who bridges the gap between business needs and technical execution with clarity and ownership.

Experience

Roof Maxx

Senior Technology Specialist / Software Developer

Remote — July 2021 to Present

- Led technical planning, test automation, and team mentorship around best practices and system architecture.
- Built a complete two-way SMS/MMS system with message inbox interface, in-app notifications, and live updates via Pusher handling over 3.5 million texts at one-fifth the cost of the evaluated third-party solutions.
- Created an internal policy platform (PAWS) used by corporate staff and dealers, collecting over 10,000 policy acknowledgments.
- Led integrations across QuickBooks, BlueSnap, Armatic, and Katana aligning custom business logic with these platforms.
 - Architected and deployed a weekly leads billing system that has processed over \$15.5 million in marketing pass-through charges.
 - Developed an automated monthly billing system for dealer tech stack fees, dynamically calculating charges based on selected platform, and integrating real-time usage data from Google Workspace and Chili Piper APIs to bill overages from the base plan accurately.
 - Rebuilt the internal product ordering pipeline, automating form intake, syncing with Katana and HubSpot, and enabling order handling to scale to handle over 1,200 high-value orders.
 - Enhanced pass-through billing logic in leads to match actual weekly marketing spend, replacing the previous static estimates and significantly reducing the financial loss margin on lead acquisition.

Roof Maxx

Technology Specialist

Remote — June 2020 to July 2021

- Provided full tech support for 250+ active dealerships and corporate users.
 - Created the company Help Center and LMS, developed training video content, and implemented improved onboarding workflows.
 - Built dynamic email signature build with editable logo and fields, this is used by every employee and dealer organization-wide.
 - Overhauled our warranty system trusted to process over 50,000 closed jobs to date. The updated version includes features making the system into a fully self-service, error-resilient workflow that guides dealers to resolve data issues and ensures complete, accurate information for every job warrantied.
-

Projects

WGU Capstone Project

Board Game Rating Prediction

github.com/Mike-Bros/WGU-Capstone

- Final project for B.S. in Computer Science, exploring board game data to predict user ratings.
- Built multiple machine learning models using Python and Scikit-learn within a self-documented Jupyter Notebook.
- Analyzed features like mechanics, themes, and player count; achieved modest predictive accuracy above random.

Neptune Homelab

Virtualized hosted service ecosystem

test.bros.ninja

- Architected a fully self-hosted virtualization environment using bare metal hypervisor XCP-ng, managed with Xen Orchestra.
- Configured layer 4/7 NGINX on a VPS for proxying services with SSL over a Tailscale network.
- Authored internal documentation and an AI-ready pack of JSON context to streamline troubleshooting, add new services, and learn more about the project.

Folder Markdown Combiner

Obsidian plugin built in TypeScript to merge markdown files in bulk, with support for directory-aware context, timestamping, and prompt-optimized structure.

github.com/Mike-Bros/folder-file-combiner

Where The Heart Is

Mortgage affordability calculator originally built in Python, later rewritten with Laravel and Vue. Includes real-time rate comparisons and budgeting breakdowns.

github.com/Mike-Bros/WhereTheHeartIs

Hyper Tally

Lightweight Laravel + Vue app for fast, error-free *board game scorekeeping*. Mobile-friendly UI

optimized for repeat use.
github.com/Mike-Bros/hyper-tally

Skills

Languages: PHP, JavaScript, TypeScript, Python, C/C++, Java, Ruby, HTML, CSS/SCSS

Frameworks: Laravel, Vue.js, Inertia, Tailwind, Django

Tools: Git, Docker, MySQL, Pusher, Katana, HubSpot, QuickBooks, BlueSnap, Armatic

Practices: Test-Driven Development, CI/CD, Modular Architecture, REST API Design

DevOps: Laravel Forge, DigitalOcean, Linux, Cron scheduling, Webhooks

Soft Skills: Communication, Debugging, Documentation, Mentorship, Problem Solving

Education & Certifications

B.S. in Computer Science

Western Governors University (Remote)

Certifications:

- CompTIA Project+ (January 2022)
- HubSpot Service Hub Software (January 2022)
- ITIL Foundation Certificate in IT Service Management (2023)