Immanuel Monroe - Software Engineer

immanuelmonroe@gmail.com | github.com/immonroe
linkedin.com/in/immanuel-monroe/ | immanuelmonroe.netlify.app/

Experience

Software Engineer, Resilient Coders – Philadelphia, PA   Feb 2025 – Present

- Led 20-engineer team in building safety using Agile methodology (standups, task delegation, sprint planning) while building core features across stack ensuring on-time delivery and fostering high team cohesion under tight deadlines.
- Proposed and implemented a dynamic map interface unifying geolocation and weather data from disparate APIs, significantly increasing user engagement and click-through rates on map features.
- Streamlined backend performance by implementing a custom data filter to eliminate duplicate API responses, reducing page load times by 30% and enhancing data integrity and application responsiveness.
- Proactively diagnosed and resolved a critical dependency misconfiguration that prevented local environment builds for team, restoring development stability and maintaining 99.9% uptime.
- Developed a user-centric analytics dashboard transforming raw user data into insightful visualizations (streaks, trends, usage patterns) leveraging Chart.js, significantly enhancing application engagement and user experience.

Software Engineer, Contract – Philadelphia, PA   Jan 2025 – Present

- Built full-stack responsive web solutions for clients, enhancing operations and user engagement.
- Optimized site performance, resolving cross-browser bottlenecks and significantly improving page load speeds.
- Modernized/refactored legacy applications, boosting scalability, security, and maintainability.

Application Support Specialist, InformData – Remote   Feb 2024 – July 2024

- Optimized SQL queries to streamline production updates, reducing report generation time by 30%.
- Resolved critical API bugs, boosting system uptime by 25% and improving client satisfaction.
- Leveraged Jira, DataDog, AWS, and C# logs to reduce dev turnaround by 20%, accelerating issue resolution.

IT Support Analyst, CAI – Remote   Dec 2021 – Feb 2024

- Provided first-level IT support using ServiceNow, leading in call quality scores & reducing ticket handling time by 10%.
- Supported network infrastructure (VPN, VMs, Active Directory, Azure) and improved onboarding and training processes across departments decreasing onboarding cycle duration by 15%.

Skills

Language: HTML, CSS, JavaScript, TypeScript, Python, SQL, Java
Database: Node.js, Microsoft SQL Server, Firebase, SQLite, PostgreSQL, MongoDB
Tools/Frameworks/Libraries: React, Tailwind CSS, Bootstrap, Node.js, Express.js, Spring Boot, Jest, Git, AWS (S3), Docker, Linux, CI/CD Tools, Gradle, CLI (Bash/Zsh/WSL), Jira, Postman

Projects

SafeRoute – Community-Powered Safety Map   https://github.com/Resilient-Labs/safe-route/

- Led full-stack safety app with real-time map-based reporting, contributing to core features across the frontend, backend, and DevOps teams—including the interactive map view, MVC backend setup, CI/CD pipelines, and internal documentation—boosting team collaboration and deployment reliability.

Eremos - AI-Powered Mental Health Journal   https://github.com/immonroe/eremos

- Developed a full-stack application supporting mental well-being through daily journaling, personalized AI-driven reflections, and resource suggestions, empowering users to process emotions and access empathetic support.

Education

School – Bachelor's in Social Work   *University of Valley Forge* - Apr 2018