

# Immanuel Monroe

## Software Engineer

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### Experience

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

- Led frontend integration for a geolocation app, enhancing UI/UX and increasing user engagement by ~25%.
- Refactored backend architecture and optimized APIs—cut load times by 30% improving long-term maintainability.
- Spearheaded debugging sessions and codebase walkthroughs—accelerated onboarding and increased team contributions by 40%.
- Built and shipped full-stack apps, integrating third-party APIs while maintaining 99.9% uptime and clean, scalable architecture.
- Boosted team delivery speed through Agile collaboration, peer reviews, and Git workflows—helped deliver features ahead of sprint deadlines.

**Freelance Web Developer** – Philadelphia, PA Jan 2025 – Present

- Launched client websites with improved UX and SEO, driving a ~10% increase in user engagement.
- Delivered responsive full-stack apps under tight deadlines, tailored to unique client needs.
- Resolved performance issues across browsers, reducing bounce rates and improving load speeds.
- Modernized legacy codebases, boosting scalability and long-term reliability.

**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 DataDog, AWS, and C# logs to reduce dev turnaround by 20%, accelerating issue resolution.
- Led deployment support, reducing post-release issues by 40% and ensuring smoother rollouts.

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

- Delivered first-level IT support using ServiceNow, consistently leading in call quality scores and 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

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**Language:** HTML, CSS, JavaScript, TypeScript, Python, SQL, Ruby

**Database:** Node.js, Microsoft SQL Server, Firebase, SQLite, PostgreSQL, MongoDB

**Tools/Frameworks/Libraries:** Git, AWS, CLI (Bash/Zsh/WSL), React, Tailwind, Bootstrap, Linux, Express

### Projects

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**Grab N' Go Games** <https://github.com/immonroe/gaming-store>

- Built a responsive e-commerce app with cart persistence and Firebase integration, streamlining game browsing and checkout experience. Leveraged RAWG/IGDB API formatting to create a scalable database.

**Bookbot - The Text Analysis Tool** <https://github.com/immonroe/bookbot>

- Automated text analysis tool using Python to generate reports on word usage, punctuation, and file structure for streamlined insights.

**NASA Facilities Map** <https://github.com/immonroe/complex-nasa-bootcamp/tree/answer>

- Built a full-stack app fetching real-time weather data for NASA facilities using Weather API and NASA API, integrated with geolocation for live updates and a seamless user experience.

### Education

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**School** – Bachelor's in Social Work

*University of Valley Forge - Apr 2018*