

Matthew Bayne

Full Stack Software Engineer

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NYC Metropolitan Area
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PROFESSIONAL EXPERIENCE

Crum & Forster - Travel Insured International | Glastonbury, CT (Remote)

June 2025 – Present

Full Stack Software Engineer

- Develop and maintain .NET/C# microservices and GraphQL/REST APIs with SQL Server integration for scalable, real-time backend systems.
- Optimize backend performance and ensure reliability across internal applications.
- Collaborate on cross-functional projects, troubleshooting issues and delivering efficient, maintainable solutions.

The Backroom | Hoboken, NJ

October 2024 – October 2025

Founder & Full Stack Software Engineer

- Founded and led a nightlife discovery platform helping users find venues focused on games, ambiance, and connection rather than alcohol; directed product vision, branding, and data strategy.
- Oversaw all aspects of development and deployment, managing the full tech stack and implementing features such as geolocation, search, and filtering to create an intuitive, scalable user experience.
- Coordinated launch, user engagement, and operational workflows, including authentication and CI/CD pipelines, building a product that successfully attracted users and culminated in acquisition.
- Successfully exited in October 2025 through acquisition.

TCE | New York City, NY

June 2023 – October 2024

Full Stack Software Engineer

- Led full project lifecycles from requirements gathering through deployment, overseeing \$65K+ in outsourced development while ensuring code quality, seamless integration, and system performance.
- Built and maintained a serverless web platform hosting 15+ internal tools and dashboards, boosting usage by 40% and streamlining access for 200+ employees through integrated authentication, UI/UX improvements, and third-party API integration.
- Automated HR and IT workflows with Azure Functions and SQL pipelines, cutting onboarding time by 90% and enabling real-time reporting.
- Implemented an inventory management system tracking \$700K+ in assets, reducing costs by 15% and improving warehouse turnover by 50%.

EDUCATION & SKILLS

Stevens Institute of Technology | Hoboken, NJ

Master of Science in Computer Science

May 2023

Graduate Certificate in Databases

Bachelor of Science in Computer Science

May 2022

Awards: Edwin A. Stevens Scholarship, Brickman Scholarship, Benjamin Oliver Award, Dean's List

Core Competencies: Agile Methods, SDLC, Project Management, Communication, Stakeholder Management

Tools: Microsoft Azure, Git, Postman, Figma, Visual Studio, Lint, Azure Data Studio, xCode, Supabase, Vercel

Technologies: React.js, Next.js, Node.js, .Net, C#, GraphQL, TypeScript, JavaScript, Python, SQL, Swift

LEADERSHIP EXPERIENCE

Alpha Sigma Phi Fraternity | President

- Led a chapter of more than 40 members to organize, prepare, and successfully manage 20+ events.
- Provided administrative and supportive services to all of the chapter members and position holders.
- Coordinated meetings and communicated with school administration as a representative of chapter members.
- Honored with the award of 'Most Improved Fraternity Chapter'