

Timothy James Barrett

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WORK EXPERIENCE

- **Haven Technologies**

New York, NY

Fullstack Software Engineer

June 2022 - August 2023

- Redesigned and rebuilt outdated insurance policy viewer into a scalable and modern SaaS solution using Angular, PostgreSQL, Node.js, and Express.
- Implemented NgRX for state management, centralizing API calls and ensuring consistent data flow resulting in a more maintainable and debug-friendly system.
- Coordinated weekly sprint planning and reviews, translating the timing and priority of sprint deliverables with cross-functional teams, ensuring alignment with overarching project goals.
- Directed development of new features from conception to deployment, gathering requirements, drafting UX/UI designs, estimating efforts, and managing user stories.

- **Allvue Systems**

New York, NY

Application Engineer, Operations

July 2020 - May 2022

- Resolved errors in SQL procs, XML data, and XSLT configs with XPath and SQL debugging queries.
- Designed scripts to resolve trade and B2B data inconsistencies in client production environments.
- Improved ticket prioritization process by implementing Salesforce database searching functionality.

PROJECTS

- **FindMyForecast (findmyforecast.vercel.app)**

Haledon, NJ

Angular, Express, Node.js, MongoDB, RxJS, Google-Auth-Library

September 2023

- Developed a web app for pinpointing favorable weather intersections based on user-defined preferences.
- Implemented Leaflet.js and caching to seamlessly render dynamic maps from OpenMeteo API data.
- Integrated Google Sign-In and authentication, enabling users to save weather preferences in MongoDB.
- Setup automatic production deployment pipeline through Vercel and backend hosting with Heroku.

- **ExerciseShare (exercise-share.vercel.app)**

Haledon, NJ

React, Redux, Express, MongoDB, Node.js, Material UI, JSON Web Token (JWT)

March 2022

- Built an fullstack exercise sharing website utilizing Redux to manage state between server and client for creating, editing, and commenting on posts.
- Implemented JSON Web Token Auth and Google OAuth 2.0 for secure user sign-in.
- Created search and recommendation system to both manually and automatically curate posts for users.

EDUCATION

- **Stevens Institute of Technology**

Hoboken, NJ

Bachelor of Science in Computer Science

September 2016 - May 2020

TECHNICAL SKILLS

Programming

TypeScript, JavaScript, HTML/CSS, Python, C++, SQL

Frameworks & Libraries

Angular, React, Redux, NgRx, RxJS, Express, Node.js, HTML, CSS

Tools

Webstorm, VSCode, Linux, Gitlab, Docker, Kubernetes, AWS, Confluence, Jira

Databases

MongoDB, PostgreSQL, MySQL