

# BRADY SHEA

Pittsburgh, PA | (203) 520 - 7671 | brady.shea97@gmail.com | [bradyshea.dev](https://bradyshea.dev)

## SUMMARY

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Full-stack engineer with 6+ years of experience building scalable apps across frontend, backend, and cloud infrastructure. Skilled in React, Vue, TypeScript, Go microservices, AWS, and CI/CD. Experienced in Agile leadership, mentoring engineers, and integrating AI-assisted workflows. Seeking Full-Stack Software Engineer roles where I can deliver impactful, high-quality products.

## EXPERIENCE

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### Dispatch Technologies

*Senior Software Engineer*

Jun 2024 - Aug 2025

- Migrated CI/CD from Travis CI + Cypress to GitHub Actions + Playwright, cutting build and test times ~75% and improving pipeline stability.
- Integrated AI tooling (Cursor, Copilot) into development workflow to reduce story completion time by ~30%.
- Mentored and managed 3 associate engineers; led a 5-engineer Agile team across multiple sprints to meet product goals.

*Software Engineer*

Dec 2021 - Jun 2024

- Led frontend guild meetings of 20+ engineers to standardize UI best practices and component design patterns.
- Built production React/TypeScript features, integrated with a Ruby on Rails API and Go microservices.

### Raytheon Technologies

*Software Engineer I*

Aug 2019 - Dec 2021

- Developed and maintained Java and C++ software components, across multiple teams, adhering to strict security and reliability standards.
- Served as Subject Matter Expert (SME) for a critical system component, providing technical guidance and ownership.
- Built an internal satellite terminal testing tool with Python/Tkinter which directly enhanced system security and reliability.
- Recognized with the RTX Achievement Award and two Spot Awards for rapid, high-quality delivery and excellent technical collaboration.

## PROJECTS

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**bradyshea.dev**

Aug 2025 - Present

*Full-stack personal portfolio*

- **Frontend:** Responsive, modern UI with smooth animations and AI-assisted design (Vue, TypeScript, TailwindCSS, Vite).
- **Backend:** Secure API with versioned routing, automated testing, and CI/CD deployment (FastAPI, PostgreSQL, Docker, Pytest, GitHub Actions).

**Gary**

Feb 2018 - Present

*Discord application*

- Long-running Python application for Discord with 100+ active users, hosted on AWS EC2 for 7+ years.
- Features async tasks, scheduler, API integrations (Spotify, Imgur), and PostgreSQL data persistence.

**Celebi**

Jun 2018 - Feb 2021

*Discord application*

- Scaled Python application for a 200k+ member server; delivered ARG minigames, engaging 1,000+ active players.
- Built for concurrency and stability, used async programming and robust database design with PostgreSQL. Hosted on AWS EC2 to maximize scalability.

## EDUCATION

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**Tufts University** | Bachelor of Science in Computer Science and Mathematics

May 2019

## SKILLS

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**Frontend:** React, TypeScript, Vue, Redux, TailwindCSS, React Native, HTML, CSS, JavaScript, Pinia

**Backend:** Node.js, Go microservices, FastAPI, Python, Java, C++, Ruby on Rails, REST APIs, microservices architecture

**Cloud/DevOps:** AWS, Docker, GitHub Actions, CI/CD pipelines

**Testing:** Playwright, Cypress, Jest, Pytest

**Databases/Tools:** PostgreSQL, SQLite, Vite, Webpack, Git, Jira, Bitbucket, Agile methodologies, Cursor, Copilot