BRADY SHEA

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SUMMARY

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

Dispatch Technologies

Software Engineer → Senior Software Engineer   Dec 2021 - Aug 2025

- Organized and led frontend guild meetings for 20+ engineers to drive best practices and improve UI consistency.
- Directed CI/CD pipeline transition from Travis CI to GitHub Actions and end-to-end testing from Cypress to Playwright, cutting build times by nearly 75% and improving test reliability.
- Developed scalable React/TypeScript features, integrated with a Ruby on Rails API and Go microservices.
- Integrated AI tooling (Cursor, Copilot) into development workflows, speeding up story completion times by ~30%.
- Led a 5-engineer Agile team across multiple sprints, aligning development initiatives with product goals.
    - Mentored and managed 3 associate engineers, supporting their technical and career growth.

Raytheon Technologies

Software Engineer I   Aug 2019 - Dec 2021

- Developed software components in Java and C++ in an Agile/Scrum environment, ensuring system reliability for critical defense applications.
- Served as subject matter expert for a major system component, providing technical guidance and ownership.
- Designed and built a satellite terminal testing tool with Python and Tkinter, improving system security and reliability.
- Adapted quickly to multiple teams and technologies, effectively collaborating on lab utilities and various satellite systems.

AWARDS

Raytheon Technologies Achievement Award   Apr 2021

- Recognized for collaboration and rapid delivery of high-quality work within the program.

Raytheon Technologies Spot Award   2019, 2021

- Awarded by management for excellent adaptability and collaboration.

PROJECTS

bradyshea.dev   Aug 2025 - Present

Full-stack personal portfolio built end-to-end.

- **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 with 100+ active users, hosted reliably on AWS EC2 for 7+ years.

- Implemented async programming and API integrations (Spotify, Imgur, AsyncIOScheduler).
- Provides persistent data storage and retrieval (Python, PostgreSQL, AWS EC2).

Celebi   Jun 2018 - Feb 2021

Multifunctional Discord app supporting a 200k+ member server.

- Delivered ARG minigames and administrative tools engaging 1,000+ active players and 20+ moderators.
- Built for scalability using async programming and database management (Python, PostgreSQL, AWS EC2).

EDUCATION

Tufts University | Bachelor of Science in Computer Science and Mathematics   May 2019

SKILLS

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