BRADY SHEA

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SUMMARY

Full-stack engineer with 6+ years of experience building scalable apps with cloud infrastructure and various developer tools. Skilled in React, Vue, TypeScript, Go microservices, AWS, and CI/CD. Experience leading Agile teams, mentoring engineers, and integrating AI-assisted workflows. Creator of long-running Discord apps and a polished portfolio showcasing my frontend ability.

EXPERIENCE

Dispatch Technologies

Senior Software Engineer   Jun 2024 - Aug 2025
Software Engineer   Dec 2021 - Jun 2024

- 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.
- 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

bshea03.github.io   Aug 2025 - Present

- Personal portfolio website built from scratch with a responsive, modern UI and smooth animations to optimize user experience across devices.
- Leveraged AI-assisted development tools to speed up the design process and improve code quality.
- Built with **Vue 3**, **TypeScript**, **TailwindCSS**, and **Vite**.

Gary   Feb 2018 - Present

- Multifunctional Discord app with 100+ active users, hosted on AWS EC2 for 7+ years.
- Utilizes async programming, API integration (Spotify, Imgur, AsyncIOScheduler), and PostgreSQL.
- Built with **Python**, **Discord API**, **PostgreSQL**, **AWS EC2**.

Celebi   Jun 2018 - Feb 2021

- Multifunctional Discord app that scaled to support a 200k+ member server with ARG minigames and administrative tools, engaging 1,000+ active players and 20+ administrators.
- Built with **Python**, **Discord API**, **PostgreSQL**, **AWS EC2**.

EDUCATION

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

SKILLS

Frontend: React, Vue, TypeScript, Redux, Pinia, TailwindCSS, React Native, HTML, CSS, Javascript
Backend: Node.js, Go microservices, Django, Ruby on Rails, REST APIs, microservices architecture, Python, Java, C++
Testing: Cypress, Playwright, Jest, Pytest
Cloud/DevOps: GitHub Actions, CI/CD pipelines, AWS, Docker
Tools: PostgreSQL, SQLite, Vite, Webpack, Cursor, Copilot, Git, Jira, Bitbucket, Agile methodologies