

# Austin Barrett

Full-Stack Software Engineer

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Charlotte, NC - Open to Remote

## Technical Skills

**Programming:** Python 3, JavaScript, HTML5, CSS

**Front-End:** React, DOM manipulation, WebSockets, Redux Toolkit

**Back-End:** Django 4, PostgreSQL, MongoDB, FastAPI, RabbitMQ

**System Design:** Microservices, Domain-driven design, Message passing, Event sourcing

## Application Development Experience

**Tasteful** | [gitlab.com/tastefulapp/tasteful](https://gitlab.com/tastefulapp/tasteful) | [tastefulapp.gitlab.io/tasteful/](https://tastefulapp.gitlab.io/tasteful/) 2023

- Developed a Single-Page Application (SPA) using React and Material UI, enhancing the user interface and interactivity with dynamic elements like navigation bars, carousels, and photo previews.
- Utilized FastAPI and JWT to implement backend services, introducing robust user login/logout functionality and efficient data handling for restaurant search and dish queries.
- Leveraged OpenAI API for AI-assisted review generation, transforming user-selected tags and ratings into comprehensive reviews, thus augmenting the application's AI capabilities.
- Employed AWS S3 for image storage and retrieval, enriching the SPA with real-time photo previews for reviews and seamless user and item image management.
- Orchestrated agile development methodologies for rapid iteration, testing, and successful deployment of the SPA, ensuring responsiveness to changes and optimized performance.

**Astro** | [gitlab.com/barrettAJ/astro](https://gitlab.com/barrettAJ/astro) 2023

- Streamlined Astro's UI using Material UI/Bootstrap and React, enhancing client inventory view and staff management capabilities.
- Utilized Django for backend services and APIs, improving data handling and real-time updates with polling.
- Implemented a microservices architecture for Astro, enhancing system scalability and ensuring consistent performance.

## Professional Experience

**Mozilla**, *Treeherder (open source) contributor* 2023 – Present

- Contributed to Mozilla's open-source project Treeherder, successfully merging a bug fix on Bugzilla, demonstrating problem-solving and collaborative abilities.

**United States Marine Corps,**

Signals Intelligence and Electronic Warfare Operator/Analyst 2016 – 2021

- Deployed and maintained signals collection gear and systems, coordinating with team leaders and platoon commanders.
- Led Electronic Warfare Team, ensuring personal and professional readiness, maintaining gear readiness, and effectively communicating with superiors.
- As Assistant Systems Integration Management Officer, maintained and updated the battalion's gear, and implemented new gear to increase unit capabilities.

## Education

**Hack Reactor**, *Advanced Software Engineering Certificate* 2023

- Completed 700+ hours of paired programming, specializing in full-stack development using Python, JavaScript, HTML5, CSS, Django 4, SQL, and PostgreSQL.
- Engaged in a variety of practical projects, reinforcing theoretical learning with real-world application.