

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 | 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 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.