

Tyler Chenoweth

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Tampa, FL

SUMMARY

Experienced Software Developer with over 6+ years of expertise in building scalable, high-performance web applications. Proficient in Python, Django, and JavaScript, with recent work integrating AI/LLM tools, data visualization, and interactive frontends. Adept at problem-solving, collaborating across teams, and delivering clean, user-focused solutions. Seeking to contribute to a forward-thinking development team with a strong engineering culture.

TECHNICAL SKILLS

Programming Skills	Django, Python 3.x, Next.js, React, Java, Spring Boot, TypeScript, Flask, JavaScript, Streamlit, PostgreSQL, MySQL, HTML5, CSS3, Bootstrap 5, Jinja Templates, MongoDB, C++, C, Scala, Pytest, Behave
Technologies	Git, GitHub, GitLab, VS Code, OS X / Windows / Linux Environments, AWS, pgAdmin, Docker, Docker Desktop, Jira, Confluence, Elasticsearch, Kibana, VMWare, VirtualBox, Shell Scripting, Arduino, Raspberry Pi
AI / ML / NLP Tools	Ollama, Hugging Face Transformers, spaCy, CardiffNLP, Prompt Engineering, Sentiment Analysis, NLP Pipelines
Active Clearance Level	TS / SCI
Certifications	Scrum Master (08/2024)

EXPERIENCE

Altamira

Dec 2023 - Present

Full-Stack Engineer →

Tampa, FL

Software Engineer/Frontend Engineer

Software Engineer/Frontend Engineer (*Dec 2024 – Present*)

- Built a document-based LLM analysis tool using Streamlit, Docker, spaCy, and LLaMA 3, allowing users to upload long texts and receive NLP-driven insights, including semantic summaries and interactive chart visualizations.
- Operate in a dynamic environment, managing multiple parallel projects while collaborating with interdisciplinary teams to prototype and deliver innovative frontend, AI, and data visualization solutions.
- Created a research-focused LLM comparison interface in Streamlit, integrating with Ollama to deliver side-by-side analysis of outputs from LLaMA, Mistral, and DeepSeek, with a clean, real-time UI for exploring cultural and linguistic differences / model biases.
- Designed and implemented a React + Flask sentiment analysis dashboard using Hugging Face Transformers and CardiffNLP's RoBERTa, featuring interactive, token-level charts and clickable graphs to explore sentiment at the word, sentence, paragraph, and chapter levels.
- Built a high-volume geospatial mapping frontend with Leaflet.js, OpenStreetMap, and Leaflet.markercluster, visualizing hundreds of thousands of locations geocoded via Nominatim, with optimized performance through batched processing and local JSON for client-side rendering.
- Integrated Dockerized services with responsive web UIs to support interactive exploration of LLM outputs and NLP insights across multiple AI visualization tools.

Full-Stack Engineer (*Dec 2023 – Sep 2024*)

- Developed a full-stack website from inception to completion using Django ORM for backend and Next.js for frontend.
- Integrated PostgreSQL database with AWS services for scalable and reliable data management, utilizing pgAdmin for database administration.
- Created a robust and scalable API using Django REST framework, enabling seamless access to the PostgreSQL database from the Next.js frontend.
- Implemented Celery for asynchronous task management, improving the efficiency of background processes.

- Collaborated within a cross-functional team to gather requirements and translate them into technical specifications.
- Maintained and updated the codebase using GitLab, adhering to coding standards and best practices.
- Proactively researched and adopted new technologies to enhance development processes and improve project outcomes.

REDLattice

June 2022 – Nov 2023

Software Engineer

Chantilly, VA / Tampa, FL

- Played a pivotal role as a Django developer on a critical project that utilized Docker and PostgreSQL to deliver a robust and scalable web-based managed attribution framework.
- Leveraged a tech stack that included Django, macOS, Visual Studio Code (VSCode), GitLab, Docker, Docker Desktop, Markdown (md), and PyTest to contribute to the project's success.
- Spent six months on-site, where I engaged with the customer daily to understand their requirements, address concerns, gather ideas, and relay feedback to the development team. This ensured alignment with the client's expectations.
- Responsively implemented front-end features in accordance with customer requests, improving the software's user interface and functionality.
- Produced a user-friendly and comprehensive user guide, enabling end-users to navigate and utilize the software effectively.
- Demonstrated expertise in test-driven development by authoring comprehensive unit and integration tests, enhancing project stability and reliability.

Concurrent Technologies Corporation

January 2020 – June 2022

Software Engineer

Savage, MD

- Collaborated with clients to redesign user interfaces and ensure their needs were met, fostering improved support and consistent visuals across multiple sites.
- Managed front-end and back-end development, incorporating new functions using Python Flask, Elasticsearch, and MongoDB.
- Conducted regular client scrum meetings to discuss progress and changes, and created custom Python 3 software for more efficient backend testing.
- Contributed to automated testing by writing test cases and maintained and expanded a cyber-guard software system for secure file exchange across networks and domains.

Enterprise Ventures Corporation

July 2019 – Jan 2020

Software Engineer

Savage, MD

- Enhanced a cross-domain solution software system for seamless file exchange across networks and domains.
- Operated in an Agile and Linux development environment, utilizing tools like GitLab, VMware, KVM, Jenkins, JIRA, Confluence, and Nexus.
- Deployed and configured the Large Dataset Analysis Tool (LDAT) on a Centos 7 server to assess AGIS performance and filtering capabilities with diverse data files.
- Created test files to analyze and rectify errors in AGIS filtering on PowerPoint support pages, ensuring optimal functionality.

PA Health & Wellness

January 2019 – July 2019

Data Analyst

Camp Hill, PA

- Crafted SQL queries to extract data from the web portal.
- Produced dynamic Excel charts and pivot tables using the extracted data.
- Designed automated Excel dashboards through the development of Power Queries.
- Streamlined data analysis and visualization processes, enhancing efficiency and reporting accuracy.

Royal Palms Travel

January 2015 – January 2018

Web Developer

Hampstead, MD

- Orchestrated the end-to-end web development process for a boutique travel agency, hosting the site on iPage and collaborating with the owner to design the website.
- Demonstrated self-reliance and the ability to transform client visions into application designs and system requirements.
- Strategically planned, developed, tested, deployed, and consistently maintained the website.
- Achieved seamless execution of web projects, ensuring client satisfaction and online success.

EDUCATION

Salisbury University

Bachelor of Science: Computer Science

December 2017