# Craig Tyler Celestin
**Software Engineer**

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## SUMMARY
Experienced Full-Stack engineer with expertise in deployment, technical design, and user experience optimization

## TECHNICAL SKILLS
**Languages |** JavaScript, Python, TypeScript, HTML5, CSS,
**Front-End** | React, Svelte, Chakra UI, Framer Motion, Three.js, Emotion, GSAP
**Back-End** | Django 4, MongoDB, MySQL, PostgreSQL, REST API, FastAPI, RabbitMQ, Pub/Sub, Websockets, SQLite, NodeJS
**Testing/Deployment** | Docker, TestClient, PyTest, Jest

## WORK EXPERIENCE
**Team Manager | NYCC - Event Experience Management App | github.com/Ris345/eventexperienceapp**
*Led backend and frontend efforts in the architecture and system design of a full-stack events management app*
- Orchestrated the implementation of a sophisticated data pipeline and relational models using **sqlite**, resulting in streamlined data management and advanced analytics capabilities (27% reduction in data processing time)
- Created RESTful API methods using **Fastapi** for event creation, attendance tracking, account management, user grouping, task lists, user communication as well as notifications using **websockets** and **message queues**
- Successfully aided in implementing security via user authentication and authorization using **OAuth2** to provide protected endpoints and role identity

**Software Engineer | Atlantic Automation (Houston TX) | gitlab.com/crgcelestin/atlanticautomation**
- Designed, built, tested, and deployed Python scripts that automated a report of financial analytics for their law firm partner 'Bain and Barkley' using **pandas**, **matplotlib**, and **openpyxl**
- Successfully created an analytics dashboard within a 2-week sprint, streamlining data analysis by 95% and facilitating data-driven decision-making processes
- Refactored automation script to have **component-based data visualization via class and object instances**

**COI Energy | Business and Platform Analyst**
- Conducted **A/B testing** and usability studies to analyze web and mobile interfaces for the Digital Energy Management Application, leading to a 25% increase in daily active users and a 20% increase in session duration
- Provided critical insights on bugs, optimization, and potential new features using **client dev tools and runtime analysis**, resulting in an 80% improvement in runtime
- Modeled an average of 50 Energy Data and Demand Response trends per quarter using **matplotlib**

## SOFTWARE ENGINEERING PROJECTS
**Full-Stack Software Engineer - Feb 2023 | gitlab.com/crgcelestin/fisteriov2**
**Fitster.io | React, Python, PostgreSQL, FastAPI, CapRover**
*Community-centric wardrobe virtualization experience with search capabilities*
- Developed the framework of user account creation and post publishing using R**eact Router**
- Provided infrastructure for search of user profiles, user details, outfit search, and post details with the implementation of **Search Parameters**
- Spearheaded user login setup and authorization using **JWTs** and **AuthProvider** (User token and session info)
- Architected backend unit tests to confirm successful user creation, posting, and user-search using **TestClient**
- Successfully performed database setup using **PostgreSQL** to enable publishing of profile and post data

## EDUCATION
**Udacity Nano-Degree Program** | *AI Programming Fellowship*
**Hack Reactor** | *Full Stack Software Engineering Immersive with Python and JavaScript Fellowship*
**Binghamton University |** *B.S. Chemistry with a minor in Engineering*