

Darnel Castor

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SUMMARY

Results-Focused software engineer with proven expertise in quality assurance testing, software architecture, and full-stack development. Delivered consistent innovative technical solution by combining strong programming skills with a stake holder-centric approach. Demonstrated success in rapidly adopting new technologies and frameworks while maintaining high code quality standards. Seeking technical proficiency to drive measurable business impact in dynamic and collaborative development environment.

EXPERIENCE

Headstarter, New York, NY (remote)

Software Engineer Resident

Sept 2024 Present

- Evaluated over **25+** models by engineering a unified LLM Evaluation Platform utilizing **AWS, Typescript, React, PostgreSQL**
- Designed market anomaly detection system using **Python**, supporting over **5,000 stock** tickers.
- Optimized datasets by **75%** through advanced preprocessing and model tuning techniques using **Python**

Outreach, Seattle, WA

Software Engineer Intern

Jun 2022 Aug 2022

- Increased Efficiency by **30%** utilizing **Go(Golang)** to optimize Legacy Database performance.
- Reduced migration time **40%** through optimized data transfer protocols and schema federation by streamlining database
- Reduced downtime by **60%** within a **5-person team**, through resolving issues within the database migration process

Clayton State University, Morrow, GA

Student Technology Assistant

Sep 2018 May 2021

- Engineered automated IBM Watson Chatbot, achieving **85%** confidence in response accuracy.
- Implemented **Python, JSON** and **HTML** integrations to optimize Writer's Studio chatbot performance by **75%..**
- Developed object-oriented programming Solutions alongside Technical support manager for chatbot enhancements

SKILLS

- **Languages:** Java, C#, JavaScript, Python, SQL, HTML/CSS, C++, TypeScript
- **Frameworks:** .NET, React, Node.js, Angular, Flutter, React Native, Flask, Django, NextJS
- **Tools:** Git, MySQL, SQLite, PostgreSQL, MongoDB, Postman
- **Platforms:** AWS, Azure, GCP, Docker,
- **Competencies:** RESTful APIs, Agile, Software Development Life Cycle, Data Structures, Algorithms, UI/UX Design

PROJECTS

US-Bank Churn Prediction Headstarter | [LINK](#)

Nov 2024 Dec 2024

- Leveraged **30k+** dataset with advance **Python** and AI Technologies to create a predictive banking Customer Churn model.
- Engineered automated LLM System to personalize bank communications through optimized model training.

Chatstarter Headstarter | [LINK](#)

Sept 2024 Nov 2024

- Designed real-time chat and video platform using **AWS, WebRTC, React**, supporting **25+** simultaneous conversations.
- Facilitated **100GB** of media by building production backend services to develop high-performance video communication

EDUCATION

Clayton State University, Morrow, GA

Bachelor of Science in Computer Science

- **Relevant Coursework:** Operating Systems, Software Engineering Design, Calculus II, Discrete Math, Data Structures & Algorithms, Data and Visual Analytics, Adv. Database Topics, Software Engineering Practicum