

Lavaugh Brown

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Software Engineer

Accomplished Software Engineer with expertise in data management and software development. Experienced in using modern technologies to improve operational efficiency. Skilled in designing and executing complex SQL queries, implementing ETL solutions, and leading DevOps practices to expedite project timelines. Able to collaborate effectively across teams, driving successful resolutions and promoting system stability. Committed to mentoring emerging talent while continuously expanding technical knowledge through certifications in key data management tools. Eager to foster a data-driven culture and deliver innovative solutions that align with organizational goals. Basic proficiency in Spanish language.

Areas Of Expertise

Software Development | Database Management DevOps & Cloud Automation | User Experience (UX) Design | Data-Driven Solutions | Reporting & Research Cross-Functional Collaboration | Project Management | Technical Mentorship

Technical Skills

SQL | AI Prompt Engineering | JavaScript | HTML5 & CSS | Python | Java | C | React.js | PowerShell | MATLAB | Simulink Code Generation | Database Management | SQL Queries | ETL Tools | Streamsets | Teradata 12.0 Software Development Life Cycle (SDLC) | CI/CD | AWS AI Services | GitHub Copilot | Generative AI

Professional Experience

Dell Digital (Remote)

June 2021 - February 2025

Software Engineer 1, August 2022 – February 2025

Spearheaded data management initiatives using Teradata 12.0, TFS Source Control, and Jira, contributing to the success of projects within the Enterprise Data Solutions Domain.

- Designed and executed complex SQL queries to streamline data extraction, analysis, and decision-making, enhancing operational efficiency.
- Worked on decommission efforts to optimize storage space, successfully cleaning over 50GB of data across multiple ETL platforms within the team.
- Implemented ETL solutions to optimize data workflows, fostering a data-centric culture and improving process automation.
- Led DevOps practices, incorporating CI/CD methodologies to accelerate software development and improve delivery timelines.
- Optimized Greenplum and Teradata databases, defining roadmaps for DnC PSR to ensure scalable data management and timely project delivery.
- Collaborated with cross-functional teams to resolve 100% of open ServiceNow incident tickets, promoting system stability and reducing downtime.
- Mentored junior team members and a Texas A&M intern on Machine Learning and algorithms, while prioritizing workload, delegating tasks, and consistently meeting project deadlines.
- Achieved certifications in Informatica, StreamSets, and AWS Cloud Practitioner to deepen expertise in data management and cloud technologies.

DevOps Intern, June 2021 – August 2021

Managed data tracking and metrics within the Developer Operations domain at Dell.

- Oversaw the execution of over 5 million quarterly GitLab pipelines, tracking completion metrics via custom KPI dashboards.

- Collaborated with cross-functional server teams to ensure operational excellence and high-impact reporting developed through secure GitLab pipelines.
- Simulated data loads via DevOps control processes to monitor and maintain ideal load balances for pipeline execution efficiency.

University Area CDC, Tampa, FL

August 2021 – August 2022

Senior Data Analyst

Managed database tracking and curation for over 2,000 users across various regions.

- Collaborated directly with the CEO to ensure data operational success while implementing modern data architecture.
- Planned high-level outcome objectives across multiyear roadmaps to meet growth targets of 250%.
- Oversaw data warehousing operations, ensuring data security across multiple off-site storage platforms.

Key Projects

Society of Competitive Programmers

June 2018 – August 2018

Web Developer

- Mentored over 25 attendees per session on foundational programming principles, best practices, and web development, increasing membership by 20%.
- Developed the front-end and backbone of the organization's website using HTML, CSS, and JavaScript.
- Led an interactive workshop introducing over 25 freshman developers to web development technologies.

Google Cloud API Workshop

June 2018 – November 2018

Main Presenter

- Researched and compiled insights on the utility and connectivity of Google Cloud APIs, specifically Vision API.
- Presented findings to over 200 students and mentors across multiple sessions, demonstrating API implementation strategies for hackathons.

USF Hack-a-thon

March 2018

Main Programmer

Designed a digital 3D model of marble and contributed creative and technical expertise to a C# program development project as part of a four-member team.

Leadership Experience

Society of Hispanic Professional Engineers

August 2018 – Present

Assistant to the Engineering Expo Chair

Collaborated with a diverse team of over 1,100 peers to promote leadership development and personal growth across various engineering disciplines.

Coordinated the USF Engineering Expo, inspiring primary school students in engineering while participating in professional development workshops.

USF Institute of Electrical and Electronics Engineers (IEEE)

August 2017 – Present

Member

Worked with a team of four to program an Arduino with LEDs and circuitry, implementing efficient workflows to enhance productivity and project outcomes.

Society of Competitive Programmers

February 2018 – May 2022

Vice President

Led mentorship initiatives for 160+ students in hackathons, providing resources and research on Google Cloud APIs and Firebase to enhance skills and foster collaboration.

Successfully recruited and integrated new members, increasing overall participation by 35% and strengthening the organization's community.

Education

Bachelor of Science (BS) in Computer Science
University of South Florida, Tampa, FL

Certifications

AWS Practitioner Certification, PowerShell

Volunteer Experience

Relay for Life
Marketing Leader, January 2018 – April 2019
Tampa, FL

- Raised \$1,200 and organized events generating \$90,000 for cancer research.

Languages

Spanish, Foundational