

# Jaylan Ballou

Developer & Data Analyst · Port Arthur, TX

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## Summary

Developer and data analyst who turns raw data into tools people use every day: a live football stat system used on broadcasts, a 24/7 IT operations dashboard with KPI trends, and an offline-first coaching app. I work end to end, from SQL schemas, data pipelines and reporting to the dashboards and apps on top, mostly in SQL, Python and TypeScript on Supabase and Cloudflare.

## Experience

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| <b>Computer Technician</b> , Port Arthur ISD                                                                                                                                                                                                                                                                                                                                                                       | <b>Oct 2022 – Present</b>  |
| <ul style="list-style-type: none"><li>– Built and run the IT department’s 13-screen operations dashboard on Cloudflare (Pages Functions, D1, Cron Workers), shown 24/7 on office TVs.</li><li>– Built a two-person Chromebook fleet audit tool with Google SSO and CSV import that maps about 60 raw locations onto 24 buildings.</li><li>– Support district devices, accounts and classroom technology.</li></ul> |                            |
| <b>IT Support Specialist (Contract)</b> , Legacy Community Development Corp.                                                                                                                                                                                                                                                                                                                                       | <b>Apr 2023 – Present</b>  |
| <ul style="list-style-type: none"><li>– Provide IT support, troubleshooting and documentation for staff.</li></ul>                                                                                                                                                                                                                                                                                                 |                            |
| <b>Chief Technology Officer</b> , SimWorld Sports (Remote)                                                                                                                                                                                                                                                                                                                                                         | <b>Nov 2024 – Jan 2026</b> |
| <ul style="list-style-type: none"><li>– Built the league website (Next.js, Postgres on AWS RDS): schedules, standings, box scores and tournament brackets for two leagues.</li><li>– Built the coaches’ live game-day portal: Google/Discord sign-in, in-game adjustments sent to the game engine, Discord locker-room posts and an audit log of every action.</li></ul>                                           |                            |
| <b>Programmer</b> , SimWorld Sports (Remote)                                                                                                                                                                                                                                                                                                                                                                       | <b>May 2022 – Mar 2023</b> |
| <ul style="list-style-type: none"><li>– Built Python and SQL tools for league data, plus a desktop media control panel with AI-assisted posts.</li></ul>                                                                                                                                                                                                                                                           |                            |

## Selected projects

|                                      |                                                                                                                     |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>Quick Plays</b><br>quickplays.app | An offline-first play designer and playbook app for basketball and football coaches.                                |
| <b>Titan Stats</b><br>titanstats.app | Keyboard-first live stat entry and broadcast graphics for a high school football broadcast.                         |
| <b>PAISD IT Dashboard</b>            | A 13-screen operations dashboard that runs 24/7 on the TVs in a school district’s IT offices.                       |
| <b>SimWorld Sports platform</b>      | The league website, the coaches’ live game-day portal and the media desk for a simulated basketball league network. |
| <b>Grants Ops Console</b>            | An operations console for tracking FEMA hazard-mitigation grants from award to closeout.                            |

## Skills

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|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Data &amp; analytics</b> | SQL (Postgres, SQLite / D1), Python (pandas), Data pipelines & modeling (raw → staging → core → mart), KPI dashboards & reporting, Excel |
| <b>Languages</b>            | TypeScript, JavaScript, SQL, Python, HTML/CSS                                                                                            |
| <b>Frontend</b>             | React, Next.js, Astro, Vite, Tailwind, Zustand, PWAs / service workers                                                                   |
| <b>Backend</b>              | Supabase (Postgres, RLS, Realtime, Edge Functions), Cloudflare Pages, Workers, D1, pg_cron, REST APIs                                    |
| <b>Tooling</b>              | Git & GitHub Actions CI, Vitest, Playwright, Sentry, Vercel                                                                              |

## Education

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| <b>M.S. Data Science / MBA</b> , Eastern University                  | In progress |
| <b>B.S. Information Systems Management</b> , Howard Payne University | 2022        |
| <b>A.A.</b> , Lamar State College – Port Arthur                      |             |
| Two-time collegiate basketball team captain.                         |             |