

Brett Whitson

brett.whitson.dev@gmail.com | home.brettwhitson.dev | linkedin.com/in/brett-whitson | github.com/brettwhitson

SUMMARY

Oracle DBA and Banner systems administrator with five years supporting enterprise systems in higher education, and a computer science background in full-stack development. Experienced across the Banner ERP stack, from PL/SQL and data integrations to database administration, performance tuning, and Linux server management.

EXPERIENCE

The University of Tennessee at Martin

Martin, TN

IT Administrator IV – Oracle DBA and Banner Systems Administrator

Jun 2025 – Present

- Administer the Oracle databases behind the university's Ellucian Banner ERP: installation, configuration, patching, backup and recovery, and user access management.
- Plan and apply Banner and Oracle upgrades and patch sets, coordinating testing and downtime with campus stakeholders and Ellucian support.
- Monitor and tune database performance, and automate routine administration with SQL, PL/SQL, and shell scripting on Linux.

Programmer/Analyst

Jul 2021 – Jun 2025

- Designed, built, and maintained software supporting university operations on the Ellucian Banner ERP system.
- Wrote and optimized SQL queries, PL/SQL packages, and stored procedures for complex data operations, with a focus on data integrity and performance.
- Maintained and extended Banner modules, including custom integrations with third-party applications and APIs.
- Gathered requirements with stakeholders across departments and delivered solutions that improved efficiency for staff and students.
- Supported end users and resolved application and database issues.

IT Technician III

Oct 2020 – Jul 2021

- Resolved escalated hardware, software, and local network issues from the student help desk, and helped run the ticket queue and equipment inventory.

Student Technician – IT Help Desk, Field Services, Config/Install

Apr 2018 – Aug 2020

- Deployed PC and Mac workstations for faculty and staff, provided in-person and phone support, and trained new student workers.

JointAccounts

Part-time App/Web Developer

Jan 2021 – Jul 2021

- Built front-end components from provided designs, and developed, tested, and documented back-end functionality.

EDUCATION

The University of Tennessee at Martin

Martin, TN

Bachelor of Science, Computer Science

May 2020

SKILLS

Database & Systems: Oracle Database administration, Ellucian Banner ERP, PL/SQL development, performance tuning, backup and recovery, Linux server management, networking fundamentals

Languages: SQL, PL/SQL, Bash, Python, JavaScript, HTML, CSS, C#, Java, C, C++

Tools: Git, GitHub, Oracle SQL Developer, Docker, VS Code, Vim

PROJECTS

WebDocker (2019): *First Place, Undergraduate Presentations, ACM Mid-Southeast Conference.* Team-built web application for managing Docker containers from the browser.

DockerUI (2019): Desktop interface for managing local Docker containers, built with Electron and Express.js as part of a three-person team.

Bipartite Graph Checker (2019): Implemented a DFS bipartite-graph algorithm in four programming paradigms: procedural, object-oriented, functional, and logic.

Pseudo-Theremin (2018): Team-built theremin-like instrument using ultrasonic sensors on a Raspberry Pi, with Python, Ruby, and Sonic Pi.

Financial/Budgeting Application (2017): Pair-programmed C# application with an MS Access database for tracking spending and building budget plans.