Joshua Bandy

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EDUCATION

Bachelor of Science in Computer Science — **August 2023 - December 2025**
University of Central Florida — *Orlando, FL*

Associate of Arts — **August 2020 - May 2023**
State College of Florida — *Bradenton, FL*

EXPERIENCE

Best Buy — **October 2018 - June 2023**
Shift Lead — *Sarasota, FL*

- Processed online orders with a record completion time 5 minutes faster than company expectations, while maintaining 100% inventory accuracy across 1,000+ SKUs.
- Led a 10-member logistics team to consistently exceed shipment unload targets, improving unload completion time by 20% and streamlining backroom operations.
- Trained and mentored 10+ new team members, implementing on boarding SOPs that reduced ramp-up time and elevated team customer service KPIs. •

Sarasota County Government — **January 2021 - June 2021**
Intern — *Sarasota, FL*

- Wrote and optimized SQL queries to extract and analyze operational and financial data, contributing to performance improvements and actionable reports for stakeholders.
- Organized internal documentation and maintained weekly write-ups detailing project status, deliverables, and completion rates, improving cross-team communication and accountability.
- Assisted with on boarding new interns by walking them through project workflows, documentation systems, and database structures, accelerating their ramp-up and integration into the team.

PROJECTS

EZRASSOR Robotic Rover & Arm Control System — **May 2025 - Present**
Software Engineer & Robotics Developer — *Orlando, FL*

- Engineered a modular, distributed control system for a robotic arm on Raspberry Pi 5, enabling independent operation and direct UI command reception.
- Designed RESTful APIs and integrated with ROS2 for robust command dispatch to hardware, including custom parsing for joint and autonomy routines.
- Implemented inter-server HTTP/TCP communication with dynamic service discovery to facilitate collaborative robotic tasks.
- Successfully extended an inherited, complex codebase, applying embedded software principles to enhance overall system reliability and scalability.

MediaShelf — **June 2025 - Present**
Full Stack Developer — *Orlando, FL*

- Architected a media cataloging web app to help users track books, games, movies, and music, reducing accidental duplicate purchases.
- Integrated Supabase for user authentication and PostgreSQL database storage with row-level security and real-time syncing.
- Building responsive UI components with Next.js App Router and Tailwind CSS, including dynamic category-based media grids.
- Designing and implementing CRUD functionality and wishlist features, with state managed via React hooks and Zustand.

Salvage Financial — **February 2025 - May 2025**
DevOps Engineer & Full Stack Developer — *Orlando, FL*

- Developed a cross-platform mobile companion app using Flutter with 90% feature parity, improving user retention and accessibility.
- Built and deployed a MERN stack financial web app with CI/CD automation using GitHub Actions and custom YAML configurations.
- Automated build, test, and deployment pipelines with GitHub Actions, reducing deployment time by 60%.
- Designed backend REST APIs using Node.js, Express.js, and MongoDB, improving data retrieval speed and app performance.

SKILLS

Languages Python | Java | JavaScript | HTML | CSS | SQL | PHP | C++ | C | Bash | YAML

Frameworks React | Next.js | Node.js | Express.js | Tailwind CSS | FastAPI | Flutter

Tools & Platforms Git | GitHub | GitHub Actions | DigitalOcean | MongoDB | Postman | systemd | Linux | Apache