

Brattynn Thompson

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SUMMARY

Software developer and systems-focused professional with nearly 9 years of experience spanning operations, workflow analysis, quality assurance, technical documentation, and process improvement. Founder of Parzival Dynamics, where I design and build full-stack, desktop, and mobile applications end-to-end — from data modeling and architecture through implementation, testing, and deployment. Currently a senior completing a B.S. in Computer Science at Western Governors University, with hands-on experience in Java, Spring Boot, Flutter/Dart, TypeScript, SQL, and both relational and local-first data storage. Skilled at translating real operational and business problems into scoped, maintainable software.

EXPERIENCE

Founder / Software Developer — Parzival Dynamics

December 2024 – Present

Columbus, OH

- Design and develop practical software applications from product concept through requirements, architecture, implementation, testing, packaging, and technical documentation.
- Translate real operational and personal workflow problems into scoped software products with structured data models, business rules, validation, and maintainable application architecture.
- Build applications using Java, Spring Boot, Flutter, Dart, TypeScript, SQL, PostgreSQL, and SQLite across backend, web, desktop, and mobile environments.
- Maintain Git-based source control, automated tests, CI workflows, release artifacts, architectural documentation, and detailed project READMEs.
- Evaluate technical tradeoffs involving security, local-first storage, data integrity, platform compatibility, deployment, and long-term maintainability.

Lead Graphic Designer — Sutphen Towers

October 2017 – Present

Hilliard, OH

- Coordinate design, production, and installation of graphics for up to 8 simultaneous custom emergency vehicle builds.
- Created and maintained tracking systems for materials, order status, proofing, and production priorities, improving visibility across the department.
- Translated production needs and stakeholder requirements into practical workflow improvements for ordering, proofing, inventory, and installation processes.
- Documented technical workflows for new equipment and software, creating SOPs that supported training, repeatability, and troubleshooting; served as primary technical support resource for department tools and equipment.
- Researched and implemented process improvements — including introducing air-release vinyl technology — reducing installation defects by an estimated 90% and improving installation speed by roughly 15%.

Quality Assurance Inspector — Horton Emergency Vehicles

June 2014 – 2017

Grove City, OH

- Conducted comprehensive inspections to ensure compliance with industry and production standards.
- Maintained detailed defect logs and performance reports, improving quality assurance and traceability.

EDUCATION

B.S., Computer Science (in progress)

Expected Spring 2027

Western Governors University

- Relevant coursework: Database Management, Advanced Data Management, Network & Security Foundations, Software Engineering, Web Development Foundations, Version Control, Scripting & Programming.

General Education

2009 – 2011

Clark State University

CERTIFICATIONS

ITIL 4 Foundation (PeopleCert) · LPI Linux Essentials · Java Developer Certificate (WGU) · Back-End Developer Certificate (WGU)

TECHNICAL SKILLS

Java · Spring Boot · Flutter / Dart · TypeScript · Next.js · Python · SQL · PostgreSQL · SQLite · MySQL · REST APIs · Git / GitHub · CI/CD · Linux · Application Architecture & Design · Requirements Gathering · Technical Documentation · Process Improvement · Cross-Functional Collaboration · ITIL

SELECTED PROJECTS — PARZIVAL DYNAMICS

Meridian Health Network — Operations Analytics

Next.js / TypeScript / SQL — End-to-end analytics platform over a synthetic 151k-encounter hospital dataset; interactive dashboard with SQL-backed findings on staffing, readmission risk, and cost/quality benchmarks.

Bouldering Companion

Flutter / Dart, Windows & Android — Local-first fitness tracking app with an adaptive UI, session history, and zip-based backup/restore with no cloud dependency.

Workplace Bay Tracker

Flutter / Dart, Windows & Android — Production tracking system built to replace an informal process, following custom fabrication jobs through an 8-stage workflow on desktop and tablet.

Ironwood Jiu-Jitsu Academy

Java / Spring Boot / PostgreSQL — Full-stack gym management platform with role-based admin access, BCrypt authentication, and a full integration test suite.