

Zachariah Hansen

Software Engineer | FullStack Developer

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Skills & Interests

Proficient: C# | Dart | Python | HTML | CSS | PostgreSQL | GitHub | Docker | JavaScript | React

Intermediate: C++ | Rust | Java | Cloudflare | Kafka | Redis

Actively Learning: Websockets | AI Integration | GoLang | Jira

Experience

Salt Lake Weekly

FullStack Developer

Salt Lake City, UT

Apr. 2025 - Present

- Implemented Swagger documentation for API, improving developer experience and accessibility.
- Migrated existing application to React Native, enabling cross-platform functionality.

Technologies: JavaScript | React | React Native | PostgreSQL | BitBucket | Jira

Pervasive Gaming

Quality Assurance Specialist

Las Vegas, NV

Contract Work Mar. 2025

- Conducted comprehensive QA testing on slot machine systems using SAS software.
- Identified and documented 2 critical bugs and 8 minor defects, ensuring their resolution before release.

Technologies: SAS Testing | Windows Servers

Motorola Solutions

Software Engineering Intern

Salt Lake City, UT

Jan. 2025 – Mar. 2025

- Optimized the codebase of the Premier One Records Management Software by refactoring complex C# code.
- Eliminated over 300 IDE warning messages and developed comprehensive unit test suites for the modified code.
- Resulting in achieving up to 98% code coverage, ensuring robust software functionality while reducing potential runtime errors.

Technologies: C# | MSTest | Visual Studio | Azure

WorkChat

FullStack Developer

Salt Lake City, UT

Oct. 2024 – Dec. 2024

- Developed cross-platform mobile application using Flutter, showcasing mobile development expertise.
- Engineered real-time WebSocket messaging to enable instant, seamless communication.

Technologies: Flutter | PostgreSQL | AWS | Python | Docker | Trello

Leadership & Activities

Neumont Hackathon

First Place

Salt Lake City, UT

May 2025

- Participated in a 48-hour intensive project developing an autism prediction machine learning model with high accuracy, implementing and testing multiple ML algorithms including Logistic Regression, Random Forest, XGBoost, CatBoost, and Neural Networks while utilizing Optuna for hyperparameter optimization on an imbalanced dataset.

Neumont College of Computer Science

Activity Coordinator

Salt Lake City, UT

Jun. 2023 – Present

- Collaborated with a small team to plan and execute weekly community events, successfully managing programs with up to 50 participants.

Neumont College of Computer Science

Resident Advisor

Salt Lake City, UT

Apr. 2023 – Present

- Responsible for addressing critical student concerns while maintaining professional standards of communication.
- Actively listened to students' urgent concerns, implemented immediate solutions, and followed up appropriately, while building and maintaining trust with residents.

Education

Neumont College of Computer Science

Bachelor of Science, Software Engineering. GPA: 3.99

Consistent President's List Honoree

Relevant Coursework: Algorithms I & II | Distributed Systems

Salt Lake City, UT

Expected Sept. 2025