# William Wallace

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## PROFESSIONAL EXPERIENCE

### Software Technology Group, Salt Lake City, UT – *Software Engineer*
OCTOBER 2023 - PRESENT

*Java, Spring Boot, React, JavaScript, Node, CSS, HTML, AWS, Terraform, Azure Devops, Static Code Analysis, Integration Testing, SQL Server, PostgreSQL, Agile, Scrum*

- Rewrote several components from a legacy Java 8/Angular stack to a Java 21/React stack.
- Decreased the sync time from a few hours to a few minutes for an S3 sync process that copies production data down to a stage environment.
- Built a report generator that aggregated data from an application and displayed it in an Excel spreadsheet.

### Loveland Innovations, Pleasant Grove, UT – *Software Engineer*
JANUARY 2022 - SEPTEMBER 2023

*Java, Spring Boot, Angular, TypeScript, JavaScript, Node, CSS, HTML, Python, AWS, Bitbucket Pipelines, Automated Testing, Integration Testing, TDD, Unit Testing, Jira, PostgreSQL, Kanban*

- Increased the quality of our codebase by using TDD and domain-driven design concepts.
- Decreased developer lead time by building a CI pipeline in Bitbucket that ran automated checks on code in pull requests.
- Increased QA productivity by helping develop a comprehensive automated testing strategy that involved unit, integration, contract, and UI tests.
- Used Python and Jupyter to solve math problems for 3D models.

### BYU Office of IT, Provo, UT — *Developer, Student Lead*
APRIL 2018 - JANUARY 2022

*Java, PHP, TypeScript, JavaScript, Node, CSS, HTML, AWS, Terraform, Docker, Drupal, Mendix, Github Actions, Postman, Selenium, Automation testing, Integration testing, Unit testing, MySQL, Agile, Scrum*

- Evaluated and implemented testing frameworks around applications built in Peoplesoft, Mendix, and NodeJS.
- Improved efficiency of existing CI/CD pipeline for Peoplesoft and Mendix applications.
- Increased brand consistency by creating reusable front-end components for Drupal sites.
- Increased security awareness by leading the development of an internal tool to track GitHub security alerts across a few thousand repositories.

## EDUCATION

### Brigham Young University, *BS in Electrical Engineering*

### Brigham Young University, *MS in Computer Engineering (Partial Completion)*

## TECHNICAL SKILLS

**Programming Languages**

Java
PHP
TypeScript
JavaScript
Python
C#
Go
Rust
C/C++
Kotlin

**Tools/Services**

AWS
Terraform
Docker
Azure Devops
Bitbucket Pipelines
GitHub Actions
GitLab CI/CD
Jenkins
Mendix

**Databases**

PostgreSQL
SQL Server
MySQL

**Frameworks**

Spring Boot
React
Angular
VueJS
Drupal