

Nathaniel Judd

Full-stack Software Developer

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Website

<https://njuddportfolio.com>

Professional Experience

Church of Jesus Christ of Latter-day Saints, Remote
Contract Software Developer

Apr 2024 — Jan 2026

Worked as a contract full-stack developer for church technology operations, delivering and maintaining a new web and android application for volunteer church missionaries. Performed all CI/CD tasks for the team, creating a streamlined and consistent deployment process.

- Created a robust in-app notification system allowing users to receive reminders about upcoming calendar events (React.js, TypeScript, Express.js, Azure DevOps Pipelines, Amazon EventBridge, AWS Lambda).
- Upgraded continuous delivery pipelines to run only when relevant code was merged, decreasing pipeline runs by 70%.
- Authored an Azure pipeline to build, bump version and bundle a native mobile app, send it to testers and sign for production (Azure DevOps Pipelines, Capacitor, Rsbuild, Firebase).
- Created database migration pipelines across 2 applications, making database changes and schema synchronization seamless across non-production and production lanes.
- Created new features such as a feedback page supporting file uploads, a rating system for AI-generated support messages for our application, and more (React.js, TypeScript, Express.js, PostgreSQL).

Provo MTC
Senior Student Developer

Nov 2023 — Apr 2024

Promoted to a senior position after passing a special development test that involved creating an issue tracker web application from scratch to match given criteria in one sprint. Worked on migrating and maintaining existing codebases and fixing bugs on every part of our stack. Reviewed other's code for style, consistency and best practice, mentored other student developers and played an active role in deployment operations.

- Created a jira-like issue tracker as a senior dev test, supporting login, drag-and-drop, comments, and attachments in 2 weeks (Angular, Tailwind CSS, TypeScript, Nest.js, MySQL).
- Aided an employee management application in its' migration to UTC, creating frontend and backend code to better interface with our PL/SQL database (Angular, TypeScript).
- Migrated several proprietary Angular components to be more modern and maintainable.
- Took over regular deployment to production, syncing changes several times a week via Github Actions.

Provo MTC, Provo, UT
Student Developer

Oct 2022 — Nov 2023

Completed new features and maintained an employee web and android application. Full stack development from database to deployment, handling feature creation and bug fixes on every portion of our stack.

- Stood up a new interface for leaders to track weekly volunteer missionary well-being, mental health and overall success (AngularJS, Typescript, NestJS, PL/SQL).
- Upgraded a volunteer alert page for use at training centers with an interface for editing and multi-language support (AngularJS, TypeScript, NestJS, PL/SQL, AWS).

Profile

Full-Stack software development engineer with 3 years of experience in the field. I have 7 years of programming experience, learning several different technologies and software such as Java, JavaScript, TypeScript, C#, SQL, Azure DevOps, Git and more. I have built continuous integration systems that have delivered and updated apps to users in production, greatly

increasing release efficiency and reducing costs. I learn quickly and am driven to learn and implement new and better technology, features and best practices.

Education

Brigham Young University

Computer Science (BS), Provo, UT

Emphasis in Software Engineering

Sept 2020 — Apr 2024

Capstone Project

Worked in a 4-person team, using SCRUM led by a product manager to add animations to an Adobe graph library (React Spectrum Charts). Used React.js and Typescript to create JSON specs for Vega visualization. Created test cases and wrote unit tests with high levels of coverage. Product manager was a developer at Adobe and our work was integrated into their library after 1 semester.

Brigham Young University

Spanish Minor

Sept 2020 — Apr 2024

Areas of Expertise

- TypeScript
- Azure DevOps
- Git
- PostgreSQL
- JavaScript
- AWS
- Terraform
- Agile Frameworks
- Java
- React.js
- C#
- Code Reviews

Languages

Spanish

Licenses & Certifications

AWS Cloud Practitioner, Amazon Web Services

Jan 2026 — Jan 2029