

Jonah Thurston

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Computer Science graduate (Dec 2025) with experience in backend systems, cloud services, and scalable databases. Skilled in several different programming languages and tools, with hands-on experience designing distributed systems and automating test pipelines. Proven ability to lead development teams, debug complex systems, and deliver production-ready software. Strong collaborator and communicator, dedicated to applying technical expertise to enterprise-scale challenges in fast-paced engineering environments.

WORK EXPERIENCE

BYU Center for Family History • Provo, UT • 04/2024 - Present

Web Developer

- Lead a team of four developers building backend features for a large-scale census digitizing platform, balancing feature development with ongoing system support.
- Optimized relational databases with over 500,000 entries by tuning queries and restructuring schemas, improving system performance and reliability.
- Implemented an automated testing suite that reduced manual QA time and improved release confidence.
- Collaborated with non-technical stakeholders to troubleshoot user issues and deliver timely fixes, ensuring uninterrupted system functionality.

BYU • Provo, UT • 01/2024 - 04/2024

Teaching Assistant

- Supported 300+ students in mastering graph theory, algorithms, time complexity, and C++ concepts.
- Provided one-on-one support that helped students troubleshoot and resolve coding errors independently.

PROJECTS

Core Values App • 06/2025 - 08/2025

Latitude Leaders LLC

- Developed a full-stack web app in Angular with complex state management, applying object-oriented principles and UI pattern design.
- Successfully hosted the app using Firebase
- Created a responsive, mobile-focused design that included client branding
- <https://core-values--core-values-8baab.us-central1.hosted.app/about>

Twitter Clone Web App

CS 340 Software Design

- Designed and deployed a cloud-based backend capable of handling 10,000+ concurrent requests using AWS Lambda, DynamoDB, S3, and SQS.
- Developed robust testing pipelines to identify and resolve integration issues early, improving system reliability and reducing downtime.
- Implemented REST API endpoints for user and data services, ensuring reliable communication between frontend and backend.

SKILLS

Languages & Frameworks:

Angular, React, JavaScript, TypeScript, Python, C++, Java, Agile/Scrum

Databases:

MongoDB, DynamoDB, PostgreSQL, SQLite, MySQL, SQL design, Supabase

Cloud & DevOps:

AWS-Lambda EC2 S3 SQS, Firebase, Linux (Ubuntu)

Testing & Tools:

JUnit, Jest, Playwright, Mockito, GitHub

EDUCATION

Bachelor's Degree in Computer Science

Brigham Young University
Provo, UT
GPA: 3.26
12/2025

(Major Coursework: Software Design, Distributed Systems, Databases, Operating Systems, Advanced Programming)