

Joel Galarza

650-334-8902 | swe@joelgalarza.com | [linkedin.com/in/joelxgalarza](https://www.linkedin.com/in/joelxgalarza) | github.com/joelxgalarza

EDUCATION

Western Governors University
Bachelor of Science in Computer Science

Salt Lake City, Utah
Expected Graduation: June 2026

Connecticut State Community College
Computer Science Transfer Pathway — Mathematics Transfer Pathway

Waterbury, Connecticut

Relevant Coursework: Operating System, Data Structures and Algorithms 1 & 2, Java Frameworks (Spring Boot), Version Control, Data Management(PostgreSQL), Computer Architecture, Discrete Mathematics I & II, Back-end Programming (Java)

PROJECTS

Auri — Social Media Management Dashboard | *React JS, Typescript, MongoDB*

- Integrated multiple public APIs, including Instagram, Twitter, and Facebook, to enable cross-platform posting of photos and videos directly from the dashboard.
- Implemented real-time notifications and alerts functionality, allowing users to stay informed about important events such as comments, mentions, and trending topics across social media platforms.
- Led usability testing with 9 beta users, implementing improvements that increased user satisfaction scores by 32.8%.

LeadBully — Cold Call Tracker | *JavaScript, Next.js, Firebase*

- Engineered a user-friendly dashboard for cold call management, to increase my web design agency's sales productivity and improve call tracking efficiency.
- Integrated Google Calendar for seamless call scheduling, to reduce missed follow-ups.
- Utilized Firebase for real-time database management and authentication, ensuring secure and efficient data handling.
- Designed and coded an analytics module to provide insights on call performance metrics such as duration, success rates, and call outcomes.

Amex Offer Script | *JavaScript*

- Wrote a script that conveniently adds targeted offers to American Express cards, saving users the process of adding up to 100 offers individually.

Class Roster Database | *C, C++, Makefile*

- Designed and implemented a command line program for managing class rosters, enhancing student data extraction and management.
- Applied OOP principles and used C++ array of pointers, improving memory efficiency by 20%.
- Integrated error handling mechanisms, increasing program stability and user satisfaction.

EXPERIENCE

Computer Science and Mathematics Tutor

September 2023 – December 2023

Connecticut State Community College

Waterbury, CT

- * Tutored and provided guidance on fundamental object-oriented programming concepts and data structures
- * Provided tutoring for students taking courses from college algebra to calculus 1
- * Achieved a 100% satisfaction rate among students tutored, as evidenced by anonymous feedback with surveys.

TECHNICAL SKILLS

Languages: Java, C/C++, HTML/CSS, JavaScript

Frameworks: : React, Spring Boot, Thymeleaf, Next.js, Express.js, Angular

Developer Tools: Apache Maven, Postman, Webpack, GitHub Actions

Databases: Firebase, MongoDB, MySQL