

# Alexander Arizola

Software Engineer

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github.com/CodedByArizola/

## Education

### Lake Washington Institute of Technology

Kirkland, WA

Associate of Applied Science - Transfer in Computing and Software Development July 2023 - December 2025

- **Awards:** 1x Quarterly President's List Honor, 3x Quarterly Dean's List Honor, 2x Foundation Scholarship, 1x Technical Scholarship
- **Selected Coursework:** SQL, JavaScript, HTML and CSS, PHP Scripting, QA Methodologies, Computer Science I Java, Computer Science II, Computer Programming Fundamentals
- **Certifications:** Web Development

### North Creek High School

North Creek, WA

High School Diploma

September 2017 - June 2021

- **Selected Coursework:** Web Design, Introduction to Computer Science Principles, AP Computer Science Principles

## Experience

### FiveM Server Lead Developer

November 2021 - May 2025

- Architected and implemented scalable backend systems in **Lua** and **TypeScript**, supporting **225+ concurrent users** with secure **SQL** integrations.
- Designed normalized relational databases (**3NF**), implementing indexing and query optimizations that significantly reduced **database response times**.
- Built **responsive and accessible React**-based UIs using **TypeScript** and **Sass**, improving user experience and reducing support issues.
- Managed **CI/CD workflows** and version control using **Git**, **GitHub/GitLab**, and tracked agile tasks via **Jira** and **Trello**.
- Led **code reviews** and mentored fellow developers, improving **code quality** and **deployment stability**.
- Implemented database security controls including **role-based permissions** and **IP whitelisting** to protect sensitive player data.

## Featured Projects

### Game Inventory System

Solo

React.js, Redux, Vite, TypeScript, Sass, SQL

- Implemented **advanced item interactions** including moving, stacking, splitting, and real-time transfers between multiple containers.
- Designed intuitive **drag-and-drop functionality** and **keyboard shortcuts** to improve speed, usability, and workflow efficiency.
- Leveraged **Redux** for **global state management** to ensure **instant UI updates** and predictable state flow.
- Engineered backend synchronization logic to maintain **data consistency**, **persistence**, and **SQL table integrity**.

### Adriana's Bowtique

Solo

React.js, Vite, TypeScript, Sass, Material UI

- Developed a multilingual product showcase site enabling users to browse available bows and contact the seller directly.
- Implemented English-Spanish translation support to expand accessibility for clients.

## Skills

**Programming Languages:** Lua, JavaScript, TypeScript, SQL, HTML, CSS, Sass, Less

**Libraries and Frameworks:** React.js, jQuery, Material UI, Tailwind CSS

**Tools and Platforms:** GitHub, GitLab, Git, Jira, Vite, NPM, MySQL, Netlify, Postman, JSON