

WORK EXPERIENCE

Full Stack Developer

Freelance, Guanajuato, MEXICO

Mar. 2024 - Present

- Designed and implemented web pages for pet treats and cakes store the latest React libraries.
- User account handling with Spring boot framework and Java.
- Manage and maintain gitlab repo for website code and version control.
- Deploy project with Node.js and integrated additional libraries with microservices.

Specialist Software Engineer

L3 Harris Technologies, Utah, USA

Sep. 2021 - Mar. 2024

- Designed and implemented user interfaces in Java and Node.js libraries for mission and flight simulations.
- Participated in daily team meeting for task and scope handling.
- Wrote technical documents for proper software and hardware use and bug tracking.
- Maintenance for missions data with Springboot and Kafka for fetching and displaying vehicle data and global positions.
- Deploying and handling project milestones and lifecycle in Github and BitBucket.

Software Engineer

Red Games Co. LLC, Utah, USA

Jun. 2019 - Sep. 2021

- Designed and implemented core systems for user interfaces in Java.
- Managed mobile games companion web pages with React, Redux, HTML5 and CSS.
- Maintenance for user data with Springboot Restful services, MongoDB and Swagger libraries.
- Developed and ran unit tests with test driven framework to ensure user items and prizes were properly given.

AI Programming Intern

Avalanche Studios, Utah, USA

Jun. 2018 - Mar. 2019

- Used Springboot REST APIs to handles character data storing and parsing, increasing content creation speed by 30%.

Gameplay and AI Programmer

Hathos Interactive, Utah, USA

Jan. 2017 - May 2018

- Designed and implemented core AI behaviors for enemies in C#.

TECHNICAL SKILLS

Programming Languages: C++ (5 years), C# (7 years), Java (8 years), Python (3 years), SQL (4 years), JavaScript (5 years), HTML (5 years), CSS (5 years).

Frameworks and Tools: Spring Boot (3 years), React (5 years), Redux (2 years), Kafka (1 year), Node.js (3 years), MongoDB (2 years), Docker (2 years), Kubernetes (2 years).

Version Control: Git, GitHub, GitLab, Perforce.

Methodologies: Scrum, Agile, Jira, Trello.

Certifications: HackerRank C++ (Basic), Java (Intermediate), SQL(Basic), React (Basic).

EDUCATION

University of Utah

M.S. Entertainment Arts & Engineering

Salt Lake City, Utah, USA

August 2016 - May 2018

Vancouver Film School

Game Design Program with Honors

Vancouver, British Columbia, CANADA

May 2014 - Apr 2015

Instituto Tecnológico Autónomo de México

B.S. Computer Engineering with thesis

CDMX, MEXICO

Aug 2008 - Mar 2014

LANGUAGES

English: Native , **Spanish:** Native , **French:** Fluent

Update: January 2025