

# Erick Castañeda Martínez

Software Engineer

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## EDUCATION

Computer Systems Engineering, B.S.

Aug 2018 – Dec 2023 (expected graduation date)

Superior School of Computer Sciences (ESCOM, IPN)

## WORK EXPERIENCE

IBM - Blue Journey Internship

December 2021 - present

RHEA - React developer

Oct 2021 – Jan 2022

- Improved the frontend performance of a couple of React applications using React good practices (replaced multilevel prop-drilling with context and hooks, fixed list rendering bugs, fixed memory leaks and added error handling)
- Developed most of the frontend of an inventory management system.

## MAIN PROJECTS

Nampa

October 2021

Web application that allows users to upload relevant information of their plants.

- Frontend developed using React, Node and Express for backend, JWT for authentication and MySQL as a database.

Longest Common Subsequence

December 2020

React Web application designed for visualizing an animation of the longest common subsequence algorithm.

- Shows both bottom-up and top-down approaches.
- Developed using React and styled using Chakra UI component library.

## SKILLS

### CODING SKILLS

1.5 years:

- JavaScript (ES5+, focusing on React and Node)

1 year

- Python, Java
- C++ (Modern 11+)

6 months:

- TypeScript

### TECHNOLOGIES & DEVELOPMENT TOOLS

- Development Tools:** Bash, Git, GitHub, Heroku, Vercel, Netlify, GitHub Pages, Figma.
- Frontend:** React, Webpack, HTML5, CSS3 (BEM, flex, grid, SASS), Bootstrap, ChakraUI, MaterialUI.
- Backend:** Node.js with Express.js
- Databases:** SQL (MySQL, PostgreSQL), MongoDB (NOSQL)

### COURSES, CERTIFICATIONS & APPRENTICESHIP

- TOEFL ITP Certificate:** Silver (CEFR B2) score
- Kent C. Dodds - Epic React:** Currently enrolled in this amazing React course. Includes hooks, React patterns, suspense, performance and testing.
- Udemy Student:** MongoDB, Express, React, Node and real-time applications with React and Node using sockets.

## Communities & Volunteering

### SCHOOL COMMUNITIES

Web Development Club ESCOM IPN

Feb 2020 – present

- School community club where I'm learning fullstack development with Node and React. Now, I'm a teacher at this wonderful community.

### VOLUNTEERING

Alimenta 2019

Oct 2019

- Participation in food collecting "Alimenta 2019". Organized by marines.

Web Development Club ESCOM IPN

Aug 2021 - present

- Co-organizer and Teacher of the Modern JavaScript course.