

Rolando Cruz Barragan

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SKILLS

Languages: Javascript (ES6), TypeScript, Python, Java, SQL, C++, HTML, CSS

Frameworks: Node.js, React, MongoDB, Express.js, Next.js, Redux, Context, Django, Socket.io, Vue.js

Tools: Git, AWS, Netlify, Vercel, PostgreSQL, MySQL, MongoDB, Docker, NPM, Figma, TailwindCSS

WORK EXPERIENCE

Amazon

Cupertino, CA

Software Development Engineer Intern

June 2021 - September 2021

- Built a robust backend in Java that reduced internal team debugging time by 25% by analyzing network weight traffic and fetched data from Elasticsearch through APIs
- Created dynamic front end with Vue.js for scaling and connected my backend to display log analysis data
- Conducted meetings with stakeholders to create design documentation used for application
- Collaborated with 5 Senior Software Engineers in an Agile environment making use of scrum, daily standups, and biweekly sprints and participating in backlog grooming

Stanford HCI Research Group

San Francisco, CA

Research & Developer

May 2015 - September 2016

- Created full stack web app using Angular for front end and Django for backend to support high traffic
- The application helped users in Asia & Africa to acquire jobs in Europe and North America
- Research and development on this project was done with Stanford Human Computer Interactions
- Co-authored a research paper on Human Computer Interaction by analyzing the web application

PROJECTS

PizzaNow - MongoDB, Express.js, React/Next.js, Node.js, Paypal API

- Built a MERN stack food delivery app using React.js/Next.js for the responsive front end and used Node.js, Express, and a custom-built REST API to fetch order and product data from MongoDB
- Used Next.js for a high-performing and optimized dynamic user experience
- Created robust backend to integrate Paypal API for secure payments and live order tracking status

Bug Tracker - PostgreSQL, Express.js, React, Node.js

- Built a project management tool to track project issues, bugs, tickets with the PERN stack on Next.js
- Wrote backend to support filter tickets by priority, type, assign people to the tickets, and comments
- Created Node.js APIs to fetch tickets/bug data from MongoDB

Ghost - An AI Writing Assistant

- Full-stack web application built on React.js/Next.js for high availability & scalable front end
- Wrote custom-built backend and Node.js APIs and GPT-3 for the ML model on the backend
- Allows for users to enter any prompt and the AI will write a blog post/twitter thread/story for the user

EDUCATION

University of Toronto

Ontario, CA

Bachelor of Science Computer Science, Minor in Information Technology

Years Attended: 2016-2017

- Intro to Computer Programming, Intro to Computer Science, Discrete Math, Software Design

College of Marin

Kentfield, CA

Associate's Degree Computer Science & Business

Years Attended: 2019-2022

- Data Structures & Algorithms, Computer Organization in Assembly, Web Development