Christopher Sarmiento

Software Engineer

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SUMMARY

Highly skilled and versatile Software Engineer with a strong track record of success in designing, developing, and deploying innovative applications and solutions. With experience at prominent organizations such as UnitedHealth Group and Panasonic, I have demonstrated expertise in creating and maintaining robust software systems, as well as leading impactful projects from conception to successful implementation.

SKILLS

Programming Languages

Python　TypeScript　C#

Java　C++　SQL

Frameworks & Libraries

Node.js　Deno　React

Angular　Next.js　.NET

Gatsby　Bootstrap　Jekyll

Technologies

AWS　GCP　Azure　Docker

Kubernetes　Jenkins

GitHub Actions　Git　Bash

Powershell　Kafka

EDUCATION

B.S Computer Science

New Jersey Institute of Technology

📅 09/2017 - 05/2021

EXPERIENCE

Software Engineer

UnitedHealth Group / Optum　　📅 09/2022 - 01/2024　📍 Remote

- Designed and developed an authentication API for an internal application used by over 5,000 employees using TypeScript and MongoDB
- Created a Kafka data sync using TypeScript to help migrate users from a decommissioned internal application
- Migrated CI/CD pipeline from Jenkins to GitHub actions for a number of repositories, which later became a template for future repositories and resulted in an average of 30% decrease in build and deployment times
- Led development and conversion of a rolling Kubernetes deployment strategy to a Blue/Green deployment strategy using Helm, which resulted in zero-downtime deployments and rollbacks

Software Engineer

DMW&H　　📅 08/2021 - 09/2022　📍 Fairfield, NJ

- Developed an application that allows users to manage material handling automation systems using C# and React
- Met with clients on-site to integrate and test custom warehouse control systems
- Designed and maintained customer databases using Microsoft SQL Server
- Refactored a Microsoft Silverlight using React

Software Engineering Intern

Panasonic　　📅 01/2020 - 05/2021　📍 Newark, NJ

- Created a desktop application using Node.js and MongoDB that allowed customers to securely upload system images to an AWS S3 bucket which resulted in a decrease in travel costs
- Developed a desktop application using C# and .NET that allowed users to configure BIOS settings and apply them to multiple devices simultaneously
- Hosted weekly meetings among Field Engineers and generated status reports for upper management

PROJECTS

Atlas

Node.js, MongoDB, Docker, CircleCI

- Developed a multipurpose Discord bot that allows users to perform administrative commands, execute code, store quotes, and more
- Used MongoDB to store Discord server- specific settings across multiple server instances
- Maintained version control using git
- Containerized the application using Docker
- Configured a CI/CD pipeline using CircleCI and GitHub

Monkeytype

Contributor - Node.js, jQuery, Firebase

- Implemented a quote mode for a typing test website where users type a quote as opposed to random words
- Scraped over 6,000 quotes for use
- Implemented a live key map view to help learn alternate layouts

WinTile

Rust

- Created a tiling window manager for Windows 10 and macOS
- Utilized Windows API bindings to move and resize windows to user defined locations using keyboard shortcuts
- Developed a system tray interface to enhance the user experience during configuration