Justin T. Conroy

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EDUCATION

Bachelor of Science, Computer Engineering
University of Illinois, Urbana, IL
graduated December 2010

COMPUTER SKILLS

Languages & Software: C#, SQL Server, Entity Framework, LINQ, ASP.NET Core, C/C++, git, SVN, Python, LaTeX, Visual Studio, GCC
Operating Systems: Windows, Linux, OSX

WORK HISTORY

Firmware Engineer Contractor   October 2020-November 2022
Kinoo   Remote
  At Kinoo, I developed firmware for the Kinoo Wand. An educational toy and game controller powered by an ESP32.

Software and Electronics Engineer   August 2019-Present
Freelance   Chicago, IL
  Specializing in software solutions and embedded solutions, C#/ASP.NET Core, electronics and microcontrollers, the Internet of Things. I've done many projects using an ESP32 and/or the Arduino Platform.

Principal Software Engineer   September 2016-August 2019
Koya Law   Chicago, IL
  At Koya, I was the lead backend developer for a custom web application used by the company and their clients. I designed and implemented a custom REST API to be consumed by a javascript frontend created by the Frontend Developer. The backend was written primarily in C# and ASP.NET Core, with MS SQL Server as a supporting database. The application ran on an Azure instance.

Application Developer   September 2013-September 2016
Valence Health   Chicago, IL
  At Valence I mostly did backend development ETL (Extract, Transform, Load) tasks. The company deals in healthcare insurance and I was generally responsible for a lot of data coming in and going out to vendors in a multitude of different formats. I used C# and Entity Framework to marshall data between files, web services, and databases. I also worked on some user-facing applications in ASP.NET to create tools for operations support staff to work more efficiently. In this line of work, I dealt with a lot of Patient Health Information and I take privacy of that information very seriously.

Software Engineer   September 2011-August 2013
Elettric80, Inc.   Chicago, IL
  At Elettric80, I developed software for controlling laser guided vehicle systems, conveyor systems, and other automation machinery. I also developed, installed, and maintained warehouse management systems which integrated with the robotic platforms Elettric80 develops. The software I developed was written in C# and SQL Server and communicated with robots, PLC systems, and customer ERP systems. I worked directly with high profile customers to ensure the quality of the product we delivered and to implement custom features for every installation.