Justin Hild

Software Engineer

Highly motivated Software Engineer, looking to find a company where I can create and improve on their products. Outgoing professional with strong communication and problem solving skills. Specialize in using algorithms to engineer solutions to any problem.

Education

2019-01 - 2021-05

Bachelor Of Science: Computer Science

Towson University - Baltimore, MD

Experience/Projects

2023-04 - Current

Channel Partner Specialist

Aline, Greenwood Village, CO

- Developed a Random Forest machine learning algorithm using Scikit-Learn, Pandas, and Numpy to calculate the chance of a successful lead going to sale with a 90-98% accuracy.
- Maintained our integrated services with various companies.
- Worked with our partners to ensure accurate data was being sent and received.

2022-05 - Current

Tier 2 Support Engineer

Enquire Solutions, Greenwood Village, CO

- Managed the support desk, including several coworkers working as Tier 1 Support Engineers.
- Developed and documented a variety of procedures being used, including a comprehensive list of SQL scripts, onboarding procedures, and training materials.
- Responded to customers support related issues promptly and thoughtfully, solving issues ranging from integrations issues to account troubleshooting.
- Worked closely with other IT professionals to

Contact

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Software

Javascript
Very Good

React/MERN Stack
Good

Angular
Good

Typescript
Good

Java
Good

integrate various services into our product including Office 365, EWS, Mailchimp, Twilio, and several other CRM-related integrations.
- Automated tasks using Python and Selenium in order to optimize our efficiency.
- Worked with Jira, Confluence, and ZenDesk systems in order to track and organize issues with the code.
- Filed bug reports to our development team in order to accurately document the issue.
- Worked closely with cloud services such as Azure and Visual Studio Dev ops to manage integrations and find errors in the code.
- Utilized SQL Server to diagnose and fix issues with the product.
- Performed regression testing when needed, and helped design several of the automated testing procedures.
- Worked closely with REST APIs to support various integrations.

2005-01 - Current

Personal Projects

Self, Baltimore, MD

Discord Bot:

- Developed a bot for a discord server using the discord API and python.
- Maintained a testing and production version by developing the bot locally on WSL Ubuntu and deploying to the Google Cloud platform using Docker.
- Created several unique features that were unique to this bot including text effects, custom games, and utilities for moderation.
- Worked intimately with Ubuntu in order to deploy automatic services, stream console output, and containerize using Docker for easy deployment.
- Hosted the code on Github in order to implement version control.
- Worked closely with other developers to collaborate on projects.

Python
Excellent

HTML/CSS
Very Good

MySQL
Excellent

C++
Good

C#
Good

Kotlin
Very Good

Bash
Very Good

Machine Learning
Very Good

Interests

Artificial Intelligence/Machine Learning

Music Production

Arduino/Raspberry Pi

Computer Hardware and Building

Agriculture

Network Optimization and Setup

Guitar

Online Recipe Book:

- Designed interface using React and the full MERN stack, as well as Material-UI components.
- Designed the initial website layout, including all of the routing and UX elements using UML activity charts.
- Worked with a team using Agile methodologies.

Web-Controlled Arduino/Raspberry Pi Project:

- Used Angular and TypeScipt to create the front-end web interface to show the sensor data and control the LEDs.
- Build basic API using NestJS/Express to allow Arduino to periodically send sensor data and receive instructions back (turn on/off LEDs).
- Create MySQL database to track sensor information.
- Programmed Arduino Uno using Python libraries such as Adafruit_NeoPixel and DHT.h/Adafruit_Sensor.hb to read temperature data and control NeoPixel LED rings.
- Programmed Raspberry Pi Zero W using CircuitPython libraries to control lights and access then device wirelessly.

Skills

Debugging

Programming

Application support

Technical Support