Iñaki Rosa

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EXPERIENCE

Texas Instruments – *Business Application Developer*   *December 2020 – Present*

- Worked on an application designed to give the sales team easy access to operational data and to manage the quotes assigned to our largest customers (Spring, Java, Tomcat, SQL)
  - Designed and implemented a dynamic rule set, housed in an SQL database, allowing engineers to modify the logic which determines the pricing specialist assigned to a company's quote on the fly and without submitting code changes
  - Made continuous improvements to the data charts in the application in an effort to display more accurate company quote data

Texas Instruments – *Ecommerce Engineer*   *December 2019 – December 2020*

- Created a python script to crawl upwards to 500,000 webpages and convert links to https (Shell, Python)
- Worked in an Agile Team to deliver improvements to TI.com, our Ecommerce site (Hybris, Java, JavaScript)
  - Configured the website to work with 10 additional currencies
  - Implemented the Japanese language into the website
  - Fixed an issue where European countries were getting incorrect shipping prices
  - Made improvements to the formula which calculates quote prices for products

Texas Instruments – *Automation Engineer*   *December 2018 – December 2019*

- Designed and developed a web application which allowed fabrication plant workers to scan inventory as it moved around the fabrication plant into a database (Spring, Tomcat, Java, JavaScript)
  - Implemented on desktops, iPads, and iPhones across 3 different fabrication plants
  - Worked with both camera and barcode scanners
- Retrofitted certain machines in the fabrication plants with RFID sensors and created a corresponding automation script, which allowed workers to log IDs of processed inventory into a database (Linux, AutoShell)
  - Previously, there was no way to track the inventory that passed through the machines in this project
  - Implemented a script that logged the ID of inventory as it was placed and removed from the machine by scanning its RFID tag, improving tracking capabilities in the machine's operational area by 20%

Texas Instruments – *Engineering Solutions Developer*   *January 2018 – December 2018*

- Worked on an Agile team to implement a custom application to allow test engineers to verify product data before it went out unto the official product data sheets (Angular, Spring, Java, JavaScript)
  - Implemented a virtual spreadsheet using Angular 2, which stakeholders could use to view the details of all the test instances of a specific product
- Acted as primary developer for a web application which streamlined the way engineers designated which fabrication plants would build new products (Angular, Spring, Java, Tomcat, Spotfire, Boomi, JavaScript)
  - Previous process involved a small set of engineers manually deciding which fabrication plant was selected to produce a product, all based on out-of-date excel sheets and mentally stored knowledge
  - Worked as a full stack developer, creating the application from the ground up
  - Embedded metrics into the application, allowing us to track site usage. This allowed for the tracking of which engineering groups used the app most and what sections were the most helpful
  - Saved engineers up to a week in determining a manufacturing plan for their new products

SKILLS AND HOBBIES

Programming (Proficient)	Java, JavaScript (Angular, jQuery, and more), HTML, CSS, SQL, Boomi, Spring
Programming (Familiar)	C++, Swift, Node.js, C#, Python, Typescript, C, React, Hybris
Languages (Fluent)	Spanish, English

EDUCATION

Texas A&M University   Graduation: December 2017

Bachelor of Science in Computer Engineering