John Phillips

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Development Engineer

Experienced leading software development projects

Software developer with experience leading projects to design and develop programs using the latest and most appropriate technology.

Key skills include:

- Languages: *Javascript, Python, Coldfusion*
- Operating systems: *Windows, Unix, Linux*
- Applications: *Power BI, JIRA, Git*
- Database systems: *SQL, MongoDB*

PROFESSIONAL EXPERIENCE

TEXAS A&M UNIVERSITY, *College Station, Texas*
SENIOR SOFTWARE DEVELOPER (June 2013 — May 2016)
Maintaining the Django backend for custom business applications and multiple public facing sites in Hannon Hill Cascade CMS.

Responsible for:

- Development updates using Python, XHTML, and Javascript.
- Frameworks used daily included: Django, Angular

ICF International, *Remote*
SOFTWARE DEVELOPER (May 2016 — March 2017)
Work on an agile team with other developers, designers, and QA engineers.

Responsible for:

- Developing mobile applications using Javascript, Python, and PHP.
- Frameworks used daily included: React, React Native, Drupal

MICHELIN, Lexington*, South Carolina*
DEVELOPMENT ENGINEER (Nov 2020 — Present)
Working within a manufacturing plant to develop applications that drive progress and solve problems.

Responsible for:

- Developing digital solutions using C#, Coldfusion, and Javascript.
- Frameworks used daily included: Angular, jQuery

EDUCATION & CREDENTIALS

TARLETON STATE UNIVERSITY, Stephenville, TX
Bachelors of Science in Computer Science, 2013

PROJECTS

MICHELIN

PAGER LOG: The manufacturing facility uses pagers to contact machine operators. Using Angular as a frontend and Coldfusion as a backend for the API I led and collaborated with a contractor to build an application to display the logs from those pager messages on a webpage. Users are able to filter by day and by pager number, they are also able to search and sort the results. The application is served using Windows IIS and all code is maintained on Gitlab.

PLANT VIEW: The plant needed a dashboard to show the current state of production for the day. I worked with each of the departments throughout the plant to determine what indicators should be on the dashboard. I also worked with industrial engineers to calculate the indicators. Using Coldfusion and the Fusion Charts javascript library I built a dashboard that connected to data from the machines in the plant to highlight which areas were not going to meet production at their current pace. I also built a view to look at the previous day's performance.

ICF INTERNATIONAL

WEBPAGE ARCHIVE: There was a need for users to be able to see all resources from a website even if they had lost connection to the internet. Using React Native the application would crawl a specific URL and download all the resources to the local Users device on a scheduled basis. It had a notification icon to display if the user was currently connected.

BIG DATA ANALYSIS: There was a project to analyze large data sets for correlation between the properties. I built an application using React and MongoDB that allowed the user to choose which properties to check for correlation and then generate the resulting correlation graph. For testing purposes it had the ability to generate a sample set of data with preset correlations.

TEXAS A&M UNIVERSITY

FACULTY DIRECTORY: I assisted the college with setting up digital signage for visitors. A part of the signage was a people directory to help find faculty. Using Angular in combination with Python Django I built an application that displayed a list of people. Users could search for faculty and were able to click on the person to see more information. The application was served in a Linux environment managed by Chef. All code was maintained in a Github repository.

FABRICATION LAB RESERVATIONS: There was a need to digitize reservations for students to use the fabrication lab. I worked with the directory of the lab to determine the requirements. I built an application using Python Django that students could use to see a calendar view of the coming month and see which days were already reserved. The students could then reserve a time to their liking. The application was served in a Linux environment managed by Chef. All code was maintained in a Github repository.

ONBOARDING PROCESS: The business office had a need to reduce the amount of time spent for new hires filling out paperwork. I worked with the staff in the business department to determine the requirements of the project. Using Python Django I built an application that they could send to new hires to fill out their information, after all information was filled in the user was able to generate a PDF document. A user account would be created in the system automatically for the new hire. Overall this process reduced the onboarding time from more than a day to a few minutes.