

SKILLS

C++, Python, JavaScript, C#, PHP, React, Selenium, Tesseract, MySQL, Elasticsearch, Apache Kafka, RabbitMQ, Git, Docker, Kubernetes, CMake, Linux, WSL, TypeScript, .NET Core

EXPERIENCE

Paycom

Senior Software Developer

Oklahoma City, OK

January 2017 - January 2024

- Contributed to the implementation of a web module responsible for providing clients with restricted access to ticketing systems used by internal service departments. (PHP / C# / MySQL / Apache Kafka / React / TypeScript / Jira)
 - Created a service in PHP allowing clients to create tickets for internal service departments.
 - Debugged issues with a C# service responsible for consuming ticket change events from Apache Kafka.
 - Developed a data synchronization job to periodically update the module's MySQL database with new information from the internal ticketing systems.
- Helped design and develop an API validation service used to compare API responses on testing environments against historical data and flag potential issues. (C# / MySQL / React / JavaScript)
 - Added functionality enabling the comparison of large files in row-based formats according to business criteria.
 - Improved project test coverage.
 - Designed and implemented the application's data access layer.
- Maintained software responsible for parsing data from documents provided by new clients to automate data entry during the onboarding process. (C# / Tesseract / RabbitMQ / PHP / React / JavaScript / MySQL)
 - Added parsing functionality to support new document types.
 - Helped convert the software from a desktop application to an event-driven web service.
 - Debugged issues with existing parsers.
 - Expanded test suites to limit future regressions.
- Worked with a team to develop an internal application allowing product managers to prioritize client development requests based on internal metrics. (PHP / MySQL / Elasticsearch / React / JavaScript / Python)
 - Developed a tool in Python to sanitize and import client development requests from Excel spreadsheets into the application's MySQL database.
 - Added fuzzy search suggestions for user queries.
 - Integrated Elasticsearch into the application to better support user queries.
- Contributed to a client onboarding module responsible for aggregating client information and sending it to other systems. (PHP / MySQL / JavaScript)
 - Added support for chunked file uploads to the module's upload service to enable clients to upload large files.
 - Helped integrate the module with other systems.
- Helped implement and maintain a module enabling administrators to manage the internationalization of client-facing modules. (PHP / MySQL / JavaScript)
- Designed and implemented RESTful APIs for legacy human capital management software as part of ongoing modernization efforts. (PHP / MySQL)

NextThought

Software Development Intern

Norman, OK

May 2016 - August 2016

- Added social features to a learning management system. (Python / React)

QA Development Intern

May 2015 - August 2015

- Created a tool to periodically run automated test suites and display results. (Python / JavaScript)
- Improved the coverage and reliability of existing automation test suites. (Python / Selenium)
- Developed a web crawler to validate links on testing environments. (Python / lxml / requests)

EDUCATION

University of Oklahoma

Bachelor of Science in Computer Science

Norman, OK

August 2013 - December 2016