**Patrick Jason Arthur**

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https://github.com/PatrickArthur

PROGRAMMING LANGUAGES

Ruby, Python, JavaScript, Jquery, SQL, Unix, AWS, Rspec, Capybara, Selenium, ReactJs

**EXPERIENCE**

**Reden - DHS Contract May 2023-Present**

**Full Stack Ruby on Rails Developer**

• Worked Ruby on Rails and ReactJs on speed application used to process immigrants at UCSIS

• Collaborated with developers on new features such as creating internal gems used to capture errors in code

• Helped create a tool used by devs that allows them to select other devs for code reviews and alerts them

• Worked with Jenkins ci system, needed to help configure projects to use the ci in the pipeline

• Code reviews of other devs work

• Worked with React.js to create and maintain forms on speed application

• Worked with Rails APIs and connected them to forms in reacts

**Accenture Federal Mar 2022 - May 2023**

**Full Stack Ruby on Rails Developer**

• Collaborated on Cost Comparison Tool with Veterans Administration Developers

• Worked with VA devs to identify and fix any urgent bug, used AWS Elastic Beanstalk to SSH into instances and trouble shoot issues

**•** Performed code reviews of other devs branches

**•** Worked with Geocodes gem to create script that looks at all of VA’s institutions addresses and assigns a latitude and longitude based off best address

• Wrote backend code for rating system

• Worked with devops staff to configure servers, upgrade dependencies and deploy new code via AWS elastic beanstalk.

**Threewire Systems Feb 2018 - Mar 2022**

**Full Stack Ruby on Rails Developer**

• Collaborated on FLRA case management system for the Federal Labor Relations Association

• Worked with Threewire and FLRA staff to port existing quick base case management system over to an in-house application used to managed legal cases

**•** Developed reporting module that allows users to easily filter and query cases, also developed advanced sql tool that allows users to write pure sql within application to query more complex data

**•** Managed and implemented continuous integration system via Circle CI

• Aided development team with 0365 and Sharepoint API integration using Graphql

• Worked with devops staff to configure servers, upgrade dependencies and deploy new code via AWS elastic beanstalk.

• Worked with front end team using React JS to update form components, fix bugs, add new form functions and hook up apis.

**Owens Corning- Toledo OH Aug 2018 - Nov 2018**

**Full Stack Ruby on Rails Independent Contractor**

• Company had an e-store that they needed back end created for.

• Worked with Owens Corning staff to develop out an online store for their contractors to be able to log in, search for products and create orders. Additional things added were an ability to integrate this with their existing side hosted on another server via api calls.

• Aided staff in architectural ideas, worked with them to implement a micro-services architecture where the site we worked on used api calls to another server where the majority of databases for the cart resided.

• Created a search engine for orders using Solar, users had the ability to search via keyword text search, dates of orders, order initiator as well as product name.

• Implemented their continuous integration system via AWS Code Build.

• Created a multi-purpose order creation tool in react that staff could use internally to upload information on products such as its image, information on the order and other business logic that was used to create an order such as its costs and taxes and other speciality fields that needed to be populated based odd data from the form.

• Utilized TDD and also mentored a junior staff member on how to work with rails who came from a front end background. Performed code reviews.

• Worked on an agile team with daily sprints and tracking of time in Jira. Needed to document my time and write out summary of my work and commit history for internal usage of the sprint planning team.

**Commonwealth Care Alliance - Boston MA May 2018 - Aug 2018**

**Full Stack Ruby on Rails Independent Contractor**

• Company had recently purchased a product they had created for them by a software group that the needed to port over to their systems and maintain until a new product solution was purchased in house to replace the existing platform

• Worked with Commonwealth Care staff to collect information to port over system (3 applications as well as rewrite proprietary gems) to an in-house linux virtual machine, utilized Devops knowledge to port over all cron jobs, migrate the databases internally and fix any bugs that were causing delays and issues with their platforms financial modules that were used to calculate the cost of services for patients.

**ZippyShell - Tampa FL Dec 2017 - May 2018**

**Full Stack Ruby on Rails Independent Contractor**

• Created messaging api that interacts with Zippyshell’s Salesforce console, sales people create salesforce objects and select message types, it sends the response to the api and via postmark and a template id finds the correct email message and sends to contact.

• Created Document Creator and Signer classes that create pdfs, upload to s3 and allows a user to sign documents

• Developed a pricing tool in react js that sends salesforce data to a rails application and in react js allows users to map out freight routes via google maps api and based on user selection calculates prices associated with moves

• Mentored Junior Developer on Javascript and Rails best practices.

• Worked with Salesforce Developers on issues and bugs and also wrote out test suite

**Tripleseat Software - Concord, MA August 2016 - Nov 2017**

**Senior Full Stack Ruby on Rails Developer**

• Was responsible for creating a system to integrate with the company's current payment processing platform allowing users to integrate current accounts with BluePay Payment services. Needed to work with existing system where users can sign up and authenticate with BluePay via Tripleseat. Created a widget that allowed users to be able to go into events and select their payment type and do payments in real time.

• Aided in the development of a Notification System similar to Social Media websites. This feature took the softwares existing notifications via email and created a module that ties in the ability for users to choose between receiving notifications via email or within the application. If a user chose within the application, wrote a GUI where a user receives notices via the pusher api and a process similar to facebook, also created a area where users can via and manage all notices.

• Developed the company's Hotel Event Management Product, took existing system catered towards events and integrated a new system where users can create hotel bookings, manage rooms and allocations and the ability to manage multiple events in bookings via assigning tasks, making payments, scheduling events as well as assign chores and responsibilities to staff.

• Collaborated with staff in the redesign of the companies Venue Directory. Created the authentication system that allows users to create a new account or sign in with facebook as well as the ability to create and manage lists of venues they have interest in tracking and booking.

• Utilized knowledge of Rspec to write automated tasks and aided in the development of an agile workflow by working with the product manager to implement a ticketing system and user stories via Pivotal Tracker.

• Implemented agile workflow, worked with project manager to get up to speed on sprint planning, ticket grooming, acceptance criteria, also managed the pivotal tracker tickets.

• Implemented Circle CI Continuous Integration as well as did code reviews.

**Cloudgration - Boston, MA August 2015 - July 2016**

**Senior Full Stack Ruby on Rails Developer**

• Worked with product manager to develop a prototype SASS that provides users the ability to manage integrations with cloud platforms.

• Developed Apogy X, the companies main platform which was a system where users can create an account and manage user roles allowing their companies to easily set up cloud based apps like AWS and Azure Servers, AWS Databases, Integration with Centurylink and VMWare.

• Developed a notification system similar to facebook that alerted users when their selected instances with AWS and other platforms was complete.

• Aided in the development of a workflow process by implementing an agile workflow and ticketing system.

• Managed the company's servers, created chef scripts to automate process.

• Implemented agile workflow, worked with project manager to get up to speed on sprint planning, ticket grooming, acceptance criteria, also managed the pivotal tracker tickets.

• Implemented Circle CI Continuous Integration as well as did code reviews.

**SalesEquity - Boston, MA January 2015 - July 2015**

**Full Stack Ruby on Rails Consultant**

• Worked with a small team of Engineers in the creation of a Sales Management tool that allows users to create and manage sales leads as well as provides tools to track employees performance as well as customer feedback.

• Aided in the integration of the Qualtrics Survey API, users have the ability to create a customized survey sent to prospective clients and we wrote a process that takes survey responses and aggregate the data to be able to be displayed in grouped in categories to chart performance.

• Create a Notification System that sends in app messages to users once a survey has been received as well as changes to user roles and badges awarded based on meeting criteria from survey responses.

• Created a bulk file uploader that allows users to update an excel spreadsheet of all of their contacts to integrate with their company's platform

**Massachusetts General Hospital - Boston, MA August 2015 - December 2015**

**Full Stack Ruby on Rails Consultant**

• Collaborated with Lead Engineer on redeveloping a legacy application used for lab management.

• Updated the code base to the latest version of rails as well as added in a system of automated tests.

• Look at areas of improvement and looked for ways to improve performance via adding in AJAX calls when more efficient as well as modularizing code.

**Deal Acceleration - San Jose, CA November 2013 - June 2015**

**Full Stack Ruby on Rails Developer**

• Collaborated with Senior staff to develop a social media/e-commerce website that allows users to create a social media profile and connect with potential clients to share news on deals, provide coupons and manage leads.

• Developed the user profile section as well as the ability to bookmark profiles users have interest in, added in the ability to create a public profile, ability to create and send messages as well as a design of the never ending scroll feature in the index page.

• Wrote integration with different APIs such as Amazon to load customer products and services.

**Iknowtion, Burlington, MA** **October 2012 - April 2013**

**Programmer Analyst**

• Was responsible for meeting with marketing analysts and drafting requirements for statistical programs. Was responsible for development, testing and pushing code to production as well as fixing issues if they arose.

• Utilized Sql best practices to develop efficient queries that ran optimally in order to pull and analyze datasets between 2 to 5 million records on a regular basis.

• Utilized SAS programming language to create automated market segmentation statistics, marketing dashboards and predictive analytics.

• Utilized Unix commands to edit file, transfer files, manage files, run programs.

• Utilized SQL knowledge to monitor performance of queries and to step in and optimize when running slow.

• Created automated GMC Marketing Dashboard that showed monthly benchmarks of key statistics on GMC’s whole US fleet as well as their Credit Card Metrics. This was run automatically at the first of the month and sent emails to all staff by it self.

**Tufts Health Plan, Watertown, MA**  **January 2007 - September 2012**

**Programmer Analyst II**

• Responsible for creating automated process that tested validity of data, extracted data from claims database, created statistical z scores and calculated and ranked providers and hospitals on quality and cost as well as developed system to generate mass reports and email to providers.

• Created automated programs SAS macro’s that was used to import large text files and external Oracle databases containing electronic medical records, program was used to import data, validate and export

• Developed SAS program that used Bayesian Analysis to predict members Race based on geocoded location and last name

• Was responsible for working with vendors creating requirements on business needs, writing automated programs, quality checking and fine tuning code as well as served as go to person.

• Was responsible for taking HEDIS Requirements and translating them into SAS Code that was used to collect and analyze claims data on quality metrics required.

• Key member in the normalization of Tufts Health Plans data warhorse.

**Partners Healthcare, Boston, MA**  **November 2005 - December 2007**

**Financial Analyst I**

• Was responsible for extracting claims from a SQL Server database utilizing knowledge of SQL

• Created automated cost analysis tool in MS Access that model payments and identified claims where there were issues with the agreed payments from insurers and what was actually paid to the hospital

• Performed adhoc analytics on CPT code revenue for groups within the Partners Healthcare System

**EDUCATION**

MA, Public Policy, SUNY Albany, Albany, NY

BA, Political Science, SUNY Albany, Albany NY

Harvard Extension School, Financial Analysis