**Paul Carrick**

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**SUMMARY**

Strong Senior Software Engineer with many years of experience with abilities and experience in full stack development of web applications. Also experienced in developing backend tools, databases, and stand-alone applications for multiple operating systems.

* Joined Amazon.com when it was starting. Wrote all the shipping software that was used at the time, reduced shipping time from 30 seconds per package to 4 seconds (an 85% reduction), helped to open 11 different distribution centers, and led a team of 3 other engineers.
* Wrote Airworthiness Certification Services Process & Artifact Compliance Tool (PACT) from the ground up in Ruby on Rails both front and back end including database design and implementation.
* Managed all Electronic Data Interchange (EDI) at CUSO Financial Services at the time, reporting billions of dollars in client positions and broker commissions daily.

**SKILLS**

Ruby on Rails PostgreSQL ReactJS OSX Visual Studio Apache Agile Development AJAX

Java MySQL Angular Windows Ruby Mine Tomcat MVC JSON

C++, C, C# SQL Server jQuery Linux Eclipse Puma CI / CD XML

Python MongoDB .NET Docker Jira / Confluence IIS TDD Redis

JavaScript Oracle SQL Turbo Frames Kubernetes Chat GPT SaaS Sidekiq

TypeScript Redshift NodeJS Nginx Git / GitHub / GitLab RESTful Services Front-end

HTML AWS Back-end

CSS / SCSS Bootstrap Web Design

**PROFESSIONAL EXPERIENCE**

**VettaFi LLC**, New York, NY

*Senior Software Engineer*  Mar 2023 – Aug 2024

* Senior Ruby on Rails Engineer developing VettaFi’s Investor Behavioral Intelligence Platform (IBI) a Rails based web application that generates summarized data for ETF indexes, advisors, and webcasts
* Collaborated with a team of 4-12 other engineers on IBI in an agile environment, handling 1-week sprints
* Wrote dozens of test scripts (RSpec) and performed dozens of code reviews
* Maintained (added new pages, updated existing pages, increased performance) VettaFi’s other existing websites (Vettafi.com, ETFTrends.com, ETFDB.com) that handle thousands of users
* Implemented APIs to integrate millions of rows of data stored on an AWS Redshift database to support VettaFi’s websites

**Entrision LLC**, Milwaukee, WI

*Senior Software Engineer*  Jun 2022 – Mar 2023

* Senior Software Engineer on Terminus’ Email Experience product aweb-based SAAS application in Rails
* Integrated Terminus’ Email Experience with platforms like Salesforce, Google, HubSpot, Marketo
* Interfaced with 4-8 other engineers to develop solutions in an agile environment

**Airworthiness Certification Services LLC**, Gig Harbor, WA

*Senior Software Engineer*  Jun 2019- Jun 2022

* Principal Software Engineer on Patmos’ Process & Artifact Compliance Tool (PACT) web application that aids in DO-178/DO-254 certification
* Wrote PACT in Ruby on Rails from the ground up including the database design/integration, back-end, and front-end
* Developed the Tool Qualification Plan and Software Verification and Validation Plan for PACT
* Supported Airworthiness Certification Services (AWS) legacy IIS web application
* Managed Patmos hardware, networks, GitLab server, and backup/archival system

**Cuso Financial Services LP**, San Diego. CA

*Senior Software Engineer*  Jun 2004 – Jun 2019

* Enhanced dataVISION, Orcas Net’s proprietary web-based CRM application that handles tens of thousands of Advisor commissions and Investor positions
* Aided in the conversion from the legacy system to Ruby on Rails
* Designed and implemented the system used to transfer financial data from data aggregators into dataVISION
* Automated dataVISION‘s EDI/ETL systems including writing web-scraping “robots” to import data from providers that did not provide an FTP or API interface. This interface handled billions of dollars in client’s positions and advisor’s commissions daily
* Wrote a data editor that permitted users to correct data issues and setup new imports. This was done in Ruby on Rails with an angular front-end.
* Administered hardware and networks at OrcasNet’s local office (the company that was acquired by CUSO)

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**Knowledgeware Systems LLC**, Eastsound, WA

*CEO*  Feb 2001 – Jun 2004

* Hired, trained and supervised engineers
* Developed a Natural Language Engine. In C++
* Provided hardware and DevOps support

**Amazon.com Inc**, Seattle, WA

*Technical Lead*  Feb 1998 – Feb 2001

* Coded in C, Perl & SQL to design and implement all shipping software that Amazon.com used at the time. At peak load, the system shipped about half a million packages a day (hundreds of packages a minute) and ran 24/7 365 days a year
* Improved shipping time **from 30 seconds down to less than 4 seconds (an 85% reduction)**
* Wrote the software for a Client/Server based real-time automated package processing and labeling system (SLAM)
* Created “*Smart Manifest*” a shipping costing system that automatically balanced cost, speed, and carrier reliability
* Acted as a major contributor in the opening of Amazon’s Music, Video, Toys, and Consumer Electronics stores
* Facilitated the opening of 11 different DCs (including 6 international). The fastest in just a few days
* Led a team of 3 other engineers
* Awarded a “*Just Do It*” award for overall accomplishments at Amazon.com

**EDUCATION**

B.S. Computer Science, California State University Northridge, Northridge, CA

A.A Psychology, College of the Canyons, Valencia, CA

**AWARDS**

**“Just Do it” Award**, Amazon.com, 2000