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 a web-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

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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