

Daniel Watson, MS

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PROFESSIONAL SUMMARY

Skilled Software Engineer with a strong command of Ruby on Rails and PostgreSQL. Expert in crafting scalable APIs and data pipelines, with a proven track record in building high-performance systems. Committed to leveraging data for actionable insights and fostering seamless user experiences through teamwork and effective communication.

SKILLS

Ruby (Rails), JavaScript (Node, Express, React, jQuery), Python (Django), PostgreSQL, Docker, SQL, NoSQL, ETL, Git

EMPLOYMENT HISTORY

BizzyCar | Remote | 2021 – 2023

Backend Software Engineer

- Initiated and launched a targeted SMS marketing campaign that elevated consumer conversion rates by 15%
- Deployed an AI-powered SMS messaging system that transformed customer interaction tracking, achieving improvements in service response times and customer satisfaction ratings
- Architected and developed an in-house task routing system using Ruby on Rails, enhancing call center productivity by optimizing task distribution; this strategic move allowed the business to transition away from Twilio's task router, leading to increased operational control and cost savings
- Championed stringent quality control measures, achieving a test coverage rate of over 98% using RSpec, which significantly reduced bugs and improved software reliability
- Collaboratively enhanced database performance, brainstorming and executing PostgreSQL optimizations and leveraging Datadog analytics for notable efficiency gains

Optum | White Plains, NY | 2014 – 2021

Healthcare Analyst | 2019 - 2021

- Enhanced strategic decision-making by leveraging advanced SQL analytics, extracting and interpreting complex data sets containing PHI, leading to actionable business insights that streamlined operations
- Implemented rigorous program monitoring protocols, identifying and analyzing data outliers to diagnose and resolve underlying issues, thereby ensuring program integrity and effectiveness
- Regularly engaged with external clients to deliver program updates, successfully advocating for optimizations that led to a 15% increase in the claim-to-savings ratio and heightened program efficiency
- Boosted financial accuracy and resource efficiency by developing predictive models, enabling more informed budgeting and resource allocation decisions

Data Analyst | 2017 – 2019

- Crafted interactive Tableau dashboards to equip stakeholders with key insights for strategic decisions
- Automated data retrieval, enhancing report accuracy and efficiency with stored procedures
- Implemented SSIS-driven workflows for reliable data migration and thorough analytical preparation

AREAS OF EXPERTISE

Backend & Database Optimization, API Development, System Integration, Data Analysis & Visualization, Project Management, Client Relations, Team Leadership, Microservices Architecture, Object-Oriented Design, Unit Testing

PROFESSIONAL DEVELOPMENT & TRAINING

All Aboard Bootcamp | Remote | 2021

- Gained expertise in Ruby, Ruby on Rails, SQLite, JavaScript, HTML, and CSS.
- Applied MVC design patterns and integrated SQLite databases in web applications.

General Assembly | Remote | 2020

- Mastered JavaScript essentials: OOP, DOM manipulation, API communication, and jQuery

EDUCATION

Brandeis University, *Master of Science: Health & Medical Informatics*

CUNY Queens College, *Bachelor of Arts: Sociology*