

# Joe Schwartz

[joe@joeschwartz.com](mailto:joe@joeschwartz.com) | [linkedin.com/in/josephaschwartz/](https://www.linkedin.com/in/josephaschwartz/)

---

I bring a deep appreciation for business concerns and a hands-on passion for technology to your organization, leading teams working on multiple platforms to deliver solutions using AWS, Python, JavaScript/TypeScript/React, SQL, Clojure, and more. As a bonus, if you keep reading, you will encounter the phrase “yogurt delivery by rocket.”

## Experience

### Product Engineer V – Backend, Uno Health

Sep. 2022 - Present

- Led teams building the data pipelines, web apps, and Salesforce integrations that power the Uno Health enterprise, from benefits eligibility and enrollment to business intelligence and analysis.
- Developed key features for consumer-facing Portal application, including authentication with magic links, identity verification, and asynchronous bulk processing of member data.
- Headed cross-functional efforts to incorporate automated telephony and messaging into user journeys and improve system infrastructure.
- Provided cloud-first solutions leveraging the latest AWS technologies and custom code using Python, Typescript, React, and dbt.
- Coordinated data interchange with multiple parties and vendors.

### Staff Software Engineer, Eden Health

Aug. 2019 - Aug.2022

- Led over 10 projects to successful conclusions, including API servers, database performance improvements, web-based reporting applications, and mobile application enhancements.
- Extended Clojure/Python back-end and data pipelines using modern CI/CD processes and assorted AWS services to begin transition from monolith API server to service-oriented architecture.
- Created back-end to support enterprise reporting tools as part of pandemic response work.
- Led effort to increase resiliency to vendor outages using a combination of negative engineering approaches and feature toggles.
- Developed front-end web apps in TypeScript/React and mobile app in React Native, working closely with Product and Design staff to create beautiful, functional, and responsive interfaces.
- Interfaced with stakeholders throughout organization, including clinical, customer success, and operations teams.
- Led back-end guild to identify best practices and prioritize technical debt.
- Interviewed candidates for positions at all levels in the technical team, from entry-level engineer to CTO.

### Senior Product Engineer, Droit

Sept. 2015 – June 2019

- Team leader and principal developer of Risk.net OTC Infrastructure Product of the Year 2017 and MiFID-II Product of the Year 2017 and 2018.
- Led program to implement EU trading rules and regulatory reference data acquisition and distribution system to deliver a single integrated platform for compliance at point of trade.
- Managed effort to create a patented legal annotation tool in Clojure and Clojurescript to facilitate development of software implementing annotated rules and track the relationship of written rules to software.

- Designed and developed regulatory compliance decision-making systems running on a proprietary platform written in Clojure.
- Integrated software with six major investment banks, working with client trading, legal, IT, and operations units.

**Hacker in Residence, Columbia Startup Lab** Jan. 2015 – Sept. 2016

- Mentored over 40 teams and their members on technical and business matters.
- Advised startups on balancing internal and external engineering resources, choice and use of technical frameworks, and build vs. buy decisions.

**Independent Developer / Principal, Wallaris** Aug. 2014 – June 2019

- Created web applications in Python, Ruby, Clojure, JavaScript, and ClojureScript.
- Developed physical computing and robotics applications with Raspberry Pi and Arduino devices, including the software underlying “magic mirror” displays and yogurt delivery by rocket.
- Served as expert witness in suit concerning provision of big data analysis software and services.

**Associate, Goodwin LLP** 2006-2014

- Member of 3-attorney trial team obtaining sole acquittal in the then-largest criminal tax fraud case in U.S. history.
- Represented entities and individuals in the technology and finance sectors, from startups to major banks, in white-collar and civil matters.
- Served as Special Assistant District Attorney at Kings County District Attorney’s Office, investigating and prosecuting a variety of criminal actions.

**Senior Programmer, Gargoyle Strategic Investments** 2001-2003

- Assumed technical leadership role with responsibility for all aspects of technology supporting active trading desk of a hedge fund and proprietary trading firm.
- Led efforts to improve existing software and implement new trading strategies. Developed automated portfolio risk management system using C#, C++, and MS-SQL Server.

**Director of Software Development, Alkindi** 2000 – 2001

- Developed web-based recommendation engine for films based upon crowd-sourced collaborative filtering model.
- Implemented analytical engine using a mixture of open-source and proprietary frameworks, including J2EE and Oracle.

**Manager of Windows Development, Daedalus Technology Group** 1996 – 2000

- Directed all software development for Microsoft operating systems primarily in C and C++.
- Designed and implemented software for digital audio and video transmission, data compression and encryption, secure content delivery over digital networks, and device drivers.

**Director of Technical Services, SGP International** 1995 – 1996

- Led software development efforts for business ranging from manufacturing and transportation to internet service providers.
- Designed and implemented ZOL online service in Harare, Zimbabwe.

**Additional Experience**

Guitarist and Business Manager, 2 Skinnee J’s 1992 – 1995

*Joe Schwartz*

Research Assistant, Columbia Astrophysics Laboratory

1992 – 1993

## **Education**

J.D., New York University School of Law

B.A., Physics, Columbia University

## **Patent**

System and Method for Analyzing and Modeling Content. U.S. Patent No. 10509813 B1. December 17, 2019.