

# Rolf Bates

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## Work Experience

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### Goldman Sachs

07- 2016 to Present

*Software Engineer – Associate, Payments Engineering*

#### Payments Data Warehouse

- Developed data ingestion pipeline capable of processing 10s of millions of records per hour
- Tuned batching windows, database queries and application code, collectively leading to order of magnitude improvement over initial implementation
- Designed strategic data model encompassing full payments and settlements life cycle across application stack in partnership with business stakeholders

#### Controls Service Platform

- Developed web service middleware that orchestrates interaction between core payment applications and various controls, such as sanctions and fraud
- Designed extensible code so that new clients and services can be easily onboarded
- Revamped regression testing infrastructure to ensure seamless cutover of core payment flows

#### Sanctions List Management UI

- Designed and developed Angular 5 user interface for managing incoming sanctions files and expected hold rate
- Incorporated user testing and feedback to improve accessibility for color blindness

#### Leadership

- Coached interns and other new hires through onboarding and first projects
- Organized team training conferences and informal knowledge sharing sessions

## Education

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University of Michigan, College of Engineering

09-2012 to 05-2016

*Bachelor of Science in Engineering in Computer Science, Summa Cum Laude*

GPA: 3.82/4.0

Awards: Dean's List Seven Times, William J. Branstrom Freshman Prize

## Technical Skills

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Languages: Java, Python, JavaScript

Technologies: Spring Boot, Kafka, Hibernate, Angular, Angular JS, DB2, Linux, Vim

## Side Projects

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### Radio Playlist Web Scraper

Web scraper in Python with Selenium to scrape website for recently played songs and adds them to Spotify playlist via API

### Train Time Web App

Go based microservice that serves the next PATH trains leaving World Trade Center to simple vanilla JS UI in order to optimize my commute. Additionally offers Twilio-based SMS interface