

WHO ARE YOU?

Hi! I'm Jesse.

I'm an **experienced Software Engineer generalist**, passionate about solving novel technical problems at whatever level of the stack they arise.

I've been shipping software for nearly a decade — sometimes bootstrapping green-field projects into production; other times wrangling legacy code into shape while continuing to deliver features.

In a rush? Here's the **TL;DR** —

- **Senior Software Engineer @ TodayTix** — an international platform redefining how people see theatre.
- **Published author in NLP/ML research**, particularly around computational linguistics and topic modeling.
- **Named inventor on a NLP/IR-related patent.**
- **Active contributor to the OSS community**; insatiable dabbler; with a continuous backlog of pet projects.

WHAT HAVE YOU BEEN UP TO?

Senior Software Engineer.

(2014 - Present) **TodayTix**

Grew the engineering team 3x over three years, and led or contributed to myriad projects along the way.

- Championed a culture of **DevOps** best-practices, through version-controlled configuration management, adoption of containerization, and immutable infrastructure. [**Ansible, Docker, k8s, Hashicorp stack, etc.**]
- Contributed to the green-field rewrite of **todaytix.com** — from cross-platform (iOS/Android/Web) API specification (**Swagger/OpenAPI**), to implementation in a modern, SEO-optimized SSR **React/Redux** stack.
- Owned the implementation of API integrations with a diverse array of third party (B2B) ticketing partners, amounting to six figures in revenue per year and growing. [**REST, Systems Architecture**]
- Resident **SQL/Hibernate/(G)ORM guru**; known to improve the runtime of the most untenable of queries by an order of magnitude or more. Profilers fear me.
- Overhauled internal CMS/CRM platform (both FE & BE), including coordinating with stakeholders to ensure business priorities aligned with technical implementation. [**AngularJS, Grails/Spring, Sketch**]

Natural Language Processing Engineer.

(2014 - 2015) **Walker Innovation**

Developed a proprietary domain-specific unsupervised machine learning model to identify statistically relevant patents to a product line. My system combined a number of approaches, including **semantic analysis and topic modeling (LSA / LDA)**, and succeeded in outperforming any contemporaneous systems in digital Patent Law analysis.

Software Engineer.

(2010 - 2014) **American National Corpus**

Lead developer for the **NSF-funded Language Application Grid (LAPPS) project**, responsible for wrapping NLP services as web services compliant to our APIs, working with collaborators to design the LAPPS framework and mentoring junior developers in contributing to the project.

COOL. WHERE'D YOU STUDY?

Bachelor of Arts: **Vassar College**

Class of **2013**

Degree: **Neuroscience**

Minors: **Computer Science, French Literature**