

# Matt Smida

Orlando, Florida (open to remote & relocation) | [m@mattmail.org](mailto:m@mattmail.org) | [linkedin.com/in/msmida](https://www.linkedin.com/in/msmida) | [github.com/mattsmida](https://github.com/mattsmida)

## Technical Skills

**Languages:** Javascript, Typescript, Python, SQL, PostgreSQL, HTML, CSS

**Libraries & Frameworks:** React, React Testing Library, Node, Express, Flask, SQLAlchemy, Jest, unittest, pytest, Vitest

**Tools:** Git, Github, VS Code, Linux (Ubuntu), REST API, AWS S3, Insomnia

## Work Experience

### Software Engineer Intern – Numbers API

Feb 2024

*Rithm School*

- Created a subscription service by collecting emails, customizing a template with SQL queries, and automatically sending with a python script and cron job.
- Simplified the process for updating database documentation as the project grew by using restructured text templates.
- Implemented Flask view functions to serve API responses from a PSQL database, maintaining 100% test coverage.
- Designed a parsing tool to clean data and complete a database migration of over 10,000 records from JSON files into a PSQL database.
- Discussed tickets with the team using agile methodology, assigning story points and evaluating project velocity.

### Business Solutions Consultant, Pre-Sales

May 2020 – Oct 2021

*Fidelity National Information Services*

- Demonstrated the Prophet suite of actuarial software for valuation and management of insurance, annuities, and investments to buyers at Fortune 100 life insurance companies.
- Exceeded a personal software sales quota averaging \$2 million per quarter during fiscal year 2021.
- Built and maintained relationships with prospective clients during the sales proof of concept phase.
- Automated the answering of frequently asked questions in requests for proposal by seeding the Q&A response bots.

### Consultant & Actuary

Aug 2018 – May 2020

*Deloitte*

- Designed and built Tableau dashboards to direct reserve reconciliation between Prophet and legacy valuation models throughout the model conversion process for term and whole life products.
- Stewarded the team's development version of the actuarial calculation models during conversions.
- Summarized and documented reserve balance impacts while iterating on valuation models for dozens of product lines.

### Actuarial Associate

Aug 2015 – Apr 2017

*Voya*

- Guided new expense assumptions using compensation data analysis, presenting results to leadership.
- Crafted and implemented a tool in Excel VBA to aid comparisons of assumption sensitivity runs in Prophet.
- Completed annual reporting of profit metrics for life products, including Illustration Actuary testing.

## Technical Projects

### Saltly – A photo sharing and editing platform built with Flask, SQLAlchemy, and AWS S3

Demo: [saltly.m4t7.com](https://saltly.m4t7.com)

- Designed an efficient PostgreSQL database integration with AWS S3 to allow for users' photos to be edited and stored.
- Implemented interactivity with the photos using python's pillow library, allowing users to make basic edits.
- Surpassed 95% test coverage of the codebase, testing models, routes, and utilities.

### Warbler – A clone of Twitter using Flask, PostgreSQL, and SQLAlchemy

Demo: [warbler.m4t7.com](https://warbler.m4t7.com)

- Streamlined the user experience by implementing likes and following features, displaying the most relevant posts by leveraging relations established using SQLAlchemy.
- Established database integrity with validation at the input form and database levels, checking user inputs.
- Implemented authorization and authentication using Flask's g object, alongside CSRF protection and form validation.

## Education

**Rithm School:** Full Stack Web Development Bootcamp

**Florida State University:** B.S. Physics, Summa Cum Laude, GPA: 3.96