

# SOPHIE MARTIN

Python Full Stack Developer | Web Applications | Backend Solutions

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## SUMMARY

Ambitious and technically adept Python Full Stack Developer with over 7 years of industry experience, specializing in React and Django development. My career is marked by a track record of building robust systems that enhance user interface and experience, achieving a 99.9% uptime for business-critical applications, and notably improving system efficiencies. Eager to develop SIGMA's next-generation assessment platform.

## EXPERIENCE

### Senior Python Developer

#### TechGlobe Solutions

06/2020 - Present Dallas, Texas

- Led the development of a scalable web application, increasing user capacity by 40% and significantly enhancing the customer experience.
- Collaborated with a cross-functional team to integrate machine learning algorithms, resulting in a 25% improvement in data processing efficiency.
- Pioneered the implementation of a new RESTful API, which streamlined data retrieval processes and bolstered overall system performance.
- Executed end-to-end software development lifecycle with precision, delivering stable releases and achieving a 99.9% uptime for critical applications.
- Wrote custom Python scripts for data manipulation that saved the company approximately 15 hours of manual work per week.
- Automated the testing process which improved the code coverage by 30%, enhancing the robustness of the application.

### Full Stack Developer

#### Innovative Web Solutions

03/2018 - 05/2020 Austin, Texas

- Created over 50 JSX components that were reusable and contributed to a 20% increase in development speed for future projects.
- Designed and implemented a database system in PostgreSQL that optimized storage and retrieval operations by 35%.
- Developed progressive web apps with React, enhancing mobile user engagement by more than 50%.
- Optimized existing backend code, leading to a reduction in server response time by an average of 150ms.
- Integrated third-party services using RESTful APIs, which expanded the platform's capabilities and enriched the user experience.

### Python Developer

#### Global DevNet

10/2015 - 02/2018 Fort Worth, Texas

- Developed a robust content management system using Django, which successfully managed the workflow for a team of 20+ content creators.
- Implemented a new scoring algorithm for educational assessments that increased the accuracy of results by 15%.
- Performed extensive code reviews to enforce coding standards and improve application's security and scalability.
- Assisted in transitioning the development environment to Azure resulting in a more consistent deployment process.

## EDUCATION

### Master's Degree in Computer Science

#### University of Texas at Austin

01/2013 - 01/2015 Austin, Texas

### Bachelor's Degree in Computer Science

#### Southern Methodist University

01/2009 - 01/2013 Dallas, Texas

## PROJECTS

### Open Source Progressive Web App

Contributed to an open-source PWA to enhance offline functionality, available at [github.com/SophieMartin/PWA\\_Project](https://github.com/SophieMartin/PWA_Project)

### Custom Django REST Framework

Developed an extension for Django REST framework to simplify API development, view at [github.com/SophieMartin/Custom\\_Django\\_REST](https://github.com/SophieMartin/Custom_Django_REST)

## KEY ACHIEVEMENTS



#### Developed an Educational Scoring Algorithm

Successfully created and implemented a complex scoring algorithm that improved the educational platform's accuracy by 15%.



#### Optimized Database System

Led the database optimization project with PostgreSQL, resulting in a 35% performance boost.



#### Enhanced Progressive Web App User Engagement

My contributions to a progressive web app project led to a 50% increase in mobile user engagement.



#### Data Manipulation Script Creation

Crafted a Python script for data manipulation saving the company 15 hours of manual work weekly.

## SKILLS

Python	Django	React	JSX
JavaScript	PostgreSQL		

## COURSES

### Advanced React and Redux

Covering the latest practices in React development, provided by Udemy.

### Python for Data Science

Focused on Python's application in machine learning, offered by Coursera.

## PASSIONS



#### Algorithmic Challenges

I continuously engage in algorithmic challenges to refine my problem-solving skills.



#### Mentoring Junior Developers

Dedicated to helping junior developers grow, sharing my knowledge through local coding bootcamps.

## LANGUAGES

English  
Native



Spanish  
Advanced



## PASSIONS

 **Technology Blogging**

I manage a tech blog where I discuss new web technologies and development trends.