

DAVID FRANCO

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Technical Skills

Programming Languages: Java, Python, SQL, C/C++, JavaScript, R

Developer Tools: Git, GitHub, Bash Script, MySQL, OracleDB, Red Hat Enterprise Linux, Azure

Technologies/Frameworks: HTML/CSS, Django, AngularJS, .NET, AppMan Job Scheduler, Jira, Salesforce

Experience

Software Implementation Specialist

September 2024 - February 2025

TimeClockPlus Software

San Angelo, TX

- Designed and executed an onboarding process for multiple customers, achieving a high customer satisfaction rating
- Managed multiple successful implementations and integration between different payroll and TimeClockPlus Software for mid-size companies
- Supported senior implementation specialists in deploying complex TimeClockPlus Software solutions, resulting in a departmental productivity gain of 15%

Applications and Integrations Developer

April-2022 - June 2024

Rowan University IRT - Software Development and System Services

Glassboro, NJ

- Successfully refactored and optimized multiple data feeds by leveraging and expanding to the Python library ProfPy, reducing technical debt while facilitating future feed upgrades
- Created SQL Queries in OracleDB using Banner tables to ensure that scripts critical to Rowan University's finance and admissions office ran smoothly and data was populated into the tables
- Collaborated with Database Administrators for the successful migration of servers from Oracle 19c to Oracle 21c, actively participating in refactoring and migrating processes, such as upgrading repositories to use OracleDB instead of cx Oracle
- Navigated Red Hat Enterprise Linux using the Command-line interface, while also producing bash scripts to automate data feeds, resulting in a more streamlined automation with the Appman Job Scheduler
- Tracked, managed, and resolved software development tickets and issues using Jira, ensuring effective communications between departments

Projects

ReziBo ticket Management — *HTML/CSS, Django, SQLite3, JavaScript*

- As Scrum Master/Lead Software Developer, orchestrated project phases from planning to deployment using the Agile framework, facilitating task assignments to team members, and ensuring adherence to deadlines for sprints, resulting in the successful completion of the project within the stipulated timeline
- Designed an offline database schema to store tickets, users, relationships between tickets and users, along with annotations to a ticket, extended Django's user class to create different types of users who serve different purposes
- Using Django's forms feature, developed multiple forms for users to sign up, create a ticket, edit ticket information, or edit user information
- Leveraged Django's robust features to architect a user-friendly ticket management platform, implementing functionalities including ticket management, ticket creation, priority setting, due date tracking, and user authentication

Iglesia Soli Deo Gloria — *HTML/CSS, Django, SQLite3*

- Developed a website for a small church based in Clementon, NJ using the Python Django framework, with HTML/CSS and Bootstrap-V5 elements included
- Designed an offline database schema to manage user donations, track individual church contributions, handle contact information, and implement a comment section for Pastor responses to congregation inquiries

Premier League Stats Project — *Python, Pandas, NumPy, Matplotlib*

- Conducted in-depth analysis of 200+ Premier League matches, performing data cleaning, transformation, and exploratory data analysis to extract actionable insights
- Built dynamic visualizations in Matplotlib to illustrate trends in team performance, player stats, and match outcomes, improving data interpretation and storytelling
- Applied Python-based data analytics workflows to strengthen skills in data wrangling, statistical analysis, and visualization best practices

Education

Rowan University

Glassboro, NJ

Bachelor of Science in Computer Science

May 2024

Concentration: Cyber Security Defense