

ADIL MODAN

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WORK EXPERIENCE

Software Engineer, *Tata Consultancy Services (TCS)*

April 2021 — Present

- Banking Web Application - JavaScript, JSP, Java, Oracle Database (SQL)
- Grocery Store Delivery Platform Application - Angular, TypeScript, JSON data
- Social Media News Application - Angular, NodeJS, MongoDB, Express

Software Engineer, *Professional Financial Investors, Inc.*

October 2017 — April 2021

- Developed CRM and customer management software, introducing automated payment collection, WiFi authentication services using RADIUS server and property management platform.
- Integrated payment method API's (Stripe, Plaid, Square, Paypal and Auth.net) into customer management and Yardi accounting software working closely with accounting team to streamline and optimize finances.
- Developed web application to match tenants with other tenants and landlords/units using React JS, providing automated background checks, messaging services and matching algorithms based on interests, location and budget.
- Facilitated all commercial leasing activity (via AIR Lease software) since the start of COVID-19 pandemic.
- Revamped all databases for the commercial department using SQL
- Used FRED, MLS and CoStar API's to track feasibility of real estate investments (cap rates) totaling over \$200 million, modeling growth, returns and market trends.
- Onboarded and led team of 5 data science interns analyzing real estate and housing trends.

Business Development Intern, *Professional Financial Investors, Inc.*

March 2017 — October 2017

- Tracked, documented and presented website/social media analytics weekly, monthly and quarterly.
- Analyzed and presented national, state and local data to local commercial and residential real estate leaders, state-senators, brokers and other key local figures in real estate.
- Launched, produced, edited and marketed Priced Out Podcast.
- Reported directly to head of the company regarding advancements in technologies to integrate into company's financial core.

Tutor, *College of Marin and Terra Linda High School*

August 2013 — December 2019

- Guided students through Python and C++ programming assignments for Data Structures and Intro to Programming courses for 2-3 hours each week.
- Helped electrical engineering students through circuit analysis problems.

SIDE PROJECTS

Principal Software Engineer, *Marin CoWork*

August 2019 — Present

- Founded side business to address commercial property vacancies by leasing traditional office space as smaller spaces tailored to a more novice clientele in the form of co-working space
- Generated additional \$15,000 of cash flow per month, reducing vacancies and increasing property value

SKILLS

Languages: Python, JavaScript (Node.js and React.js), HTML, CSS, C++, ARM, Verilog and VHDL

Tools: AWS (Lambda, Boto3, C3, Dynamo), Flask, Pandas, MATLAB, AutoCAD, Eagle PCB, and Xilinx

Concepts: Front-End Development, FPGA, Electric Circuit Design, Business Development and API Design

EDUCATION

Electrical Engineering, Bachelor's of Science (B.S.)

December 2020

San Francisco State University (San Francisco, CA)