

TIMOTHY JAN

Software Engineer

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Languages

- Python
- C#
- TypeScript
- JavaScript
- HTML/CSS

Frameworks/Tools

- Node
- Express
- Angular
- React
- ASP.Net Core
- Entity Framework Core
- Bootstrap
- WordPress
- Jupyter Notebook
- Swagger
- Postman
- Flask
- Django

Databases

- SQL Server
- Azure SQL
- AWS RDS
- MongoDB

Version Control

- Git and Github

EDUCATION

M.S. Computer Science

California State University
Fullerton

B.S. Electrical Engineering

Electronic Circuit Design
University of California Irvine

WORK EXPERIENCE:

Software Engineer

Jan 2023 – Present

Jantek Electronics, Inc.

Temple City, CA

- Engineered an Angular-based responsive workforce management solution, improving user engagement across mobile and desktop platforms.
- Developed a Python MQTT app for real-time data processing and export to Jantek time attendance software.
- Optimized Wordpress site performance by 30% with custom WordPress theme and plugin enhancements, improving SEO rankings and user experience.

Process Engineer

May 2019 - Nov 2020

Applied Medical

Rancho Santa Margarita, CA

- Spearheaded collaboration across R&D, Regulatory, and Quality teams to qualify a new laparoscopic device harness.
- Reduced costs by 90% and improved RF energy efficiency, enhancing operational performance and reliability.

Failure Analysis Engineer II

Feb 2019 - May 2019 Contract

Abbott

Sylmar, CA

- Analyzed returned medical devices to identify root causes of failures and prepared reports that supported product reliability improvements.

Electrical Engineer I

Jun 2018 - Jan 2019 Contract

Abbott

Sylmar, CA

- Diagnosed and resolved firmware/software issues in medical devices and supported product improvements through data analysis.

PROJECTS:

JanTaskTracker (ASP.Net Core, Angular, SQL Server)

- Built a full-stack task and employee management app with CRUD functionality for projects, tasks, employees, departments, and roles.
- Optimized team collaboration workflows by integrating a responsive UI with Bootstrap and managing scalable data operations in SQL Server.

ScreenCrit (MEAN stack, Angular Material, TMDB API)

- Developed a movie/TV review app with advanced search, filter functionality, and secure integration of the TMDB API.

Relevant Courses:

- Advanced Algorithms, Advanced Databases, Artificial Neural Networks, AI & Machine Learning, Compilers and Languages, Data Structure Concepts.