

TIMOTHY JAN

Software Engineer

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EDUCATION

M.S. Computer Science
California State University
Fullerton

B.S. Electrical Engineering
Electronic Circuit Design
University of California
Irvine

Languages

- Python
- JavaScript
- TypeScript
- C#

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

WORK EXPERIENCE:

Software Engineer

Jantek Electronics, Inc.

Jan 2023 – Present

Temple City, CA

- Developed a responsive workforce management solution using Angular for mobile/desktop UI optimization.
- Built a Python-based MQTT subscriber app with multi-threading for real-time message processing and data export to time attendance software.
- Redesigned and integrated custom WordPress themes/plugins to enhance SEO, performance, and user experience.

Process Engineer

Applied Medical

May 2019 - Nov 2020

Rancho Santa Margarita, CA

- Led cross-functional collaboration among 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.

Electrical Engineer I

Abbott

Jun 2018 - Jan 2019 Contract

Sylmar, CA

- Diagnosed firmware and software issues in medical devices using data acquisition tools.
- Analyzed data for Quality and R&D reports, driving product enhancements.

PROJECTS:

TaskTrackr (ASP.Net Core, Angular, Bootstrap, AWS RDS)

- Built a full-stack task management app with ASP.NET Core, Angular, Bootstrap, and AWS RDS.
- Implemented CRUD functionality for projects, tasks, and users.

PplPro (ASP.Net Core, Angular, Bootstrap, Azure SQL)

- Built a full-stack Employee Management System with ASP.NET Core, Angular, Bootstrap, and Azure SQL, deployed to Azure.
- Implemented CRUD functionality for employee data, departments, and roles.

ScreenCrit (MEAN stack, Angular Material, TMDB API)

- Built a movie/TV review app using the MEAN stack, integrating MongoDB, TMDB API, and Angular Material.

Relevant Courses:

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