Timothy Jan

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WORK EXPERIENCE

Jantek Electronics, Inc.   **Temple City, CA**
Software Engineer   *Jan 2023 – Present*

- Engineered responsive workforce management solution, improving user engagement across mobile and desktop platforms using ASP.Net Core, Entity Framework Core, Angular, and SQL Server.
- 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.

Applied Medical   **Rancho Santa Margarita, CA**
Process Engineer   *May 2019 – Nov 2020*

- 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.

Abbott   **Sylmar, CA**
Failure Analysis Engineer II   *Feb 2019 – May 2019*

- 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*

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

PROJECTS

JanTaskTracker   *Visual Studio 2022 | 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   *Visual Studio Code | MEAN Stack | Angular | TMDB API*

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

SKILLS

Languages: Python, C#, TypeScript, JavaScript, HTML/CSS
Framework/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, Github

EDUCATION

California State University Fullerton   **University of California Irvine**
M.S. Computer Science   *B.S. Electrical Engineering in Electronic Circuit Design*