

# Timothy Jan

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“Full Stack Engineer specializing in ASP.NET Core, Angular, and Python. Proven track record in scalable web applications, performance optimization, and AI integration.”

## WORK EXPERIENCE

### Jantek Electronics, Inc. Temple City, CA - **Software Engineer** (Jan 2023 – Present)

- Built full-stack payroll system with ASP.NET Core, Angular 16+, SQL Server (50% user engagement increase).
- Developed RESTful APIs with Angular Material UI and role-based access controls.
- Boosted dev productivity 100%+ using GenAI (ChatGPT, DeepSeek) for rapid prototyping.
- Created Python MQTT app for real-time data processing; optimized WordPress (30% performance gain).

### Applied Medical Rancho Santa Margarita, CA - **Process Engineer** (May 2019 – Nov 2020)

- Led cross-functional team (R&D, Regulatory, Quality) to qualify laparoscopic device harness.
- Reduced harness costs by 90% while improving RF energy efficiency and device reliability.
- Enhanced operational performance through strategic supplier collaboration.

### Abbott Sylmar, CA **Failure Analysis Engineer II/ Electrical Engineer I** (Jun 2018 – May 2019)

- Conducted root cause analysis on medical devices; delivered technical reports driving reliability improvements.
- Diagnosed firmware/software issues and analyzed performance data for product enhancements.
- Supported engineering teams with troubleshooting, documentation, and quality initiatives.

## PROJECTS

### HoneyDoThis | ASP.NET Core, Angular 16+, SQL Server, RESTful APIs, GenAI

- Built full-stack “relationship saving” task management app with ASP.NET Core RESTful APIs, Angular 16+ UI, and SQL Server database.
- Leveraged GenAI (DeepSeek) to accelerate API development and UI integration while maintaining code quality.

### Portfolio | Angular 19, TypeScript, RxJS, Angular Material, HTML5/CSS3, Git, GitHub Pages, CI/CD

- Architected a modern, responsive portfolio using Angular 19 standalone components and signals, demonstrating expertise in current frontend frameworks and TypeScript best practices.
- Implemented automated CI/CD pipeline with PowerShell for GitHub Pages, enabling one-command production deployments and showcasing DevOps capabilities.

### TimMari 2026 Travel Blog | Angular 16+, TypeScript, HTML5/CSS3, JSON, Git, GitHub Pages, CI/CD

- Engineered responsive single page application with Angular featuring interactive image galleries, modals/carousels, and dynamic content from JSON APIs.
- Implemented mobile-first custom CSS animations and automated CI/CD deployment pipeline to GitHub Pages.

## TECHNICAL SKILLS

**Frontend:** Angular 16+, TypeScript, RxJS, Angular Material, Reactive Forms

**Backend:** ASP.NET Core, C#, Entity Framework Core, RESTful APIs

**Databases:** SQL Server (constraints, indexes, stored procedures), T-SQL

**Architecture:** Clean Architecture, Repository Pattern, Dependency Injection

**Tools:** Git, Python, WordPress, Fluent Validation, Data Annotations

## EDUCATION

**California State University Fullerton** — M.S. Computer Science (2020–2022)

**University of California Irvine** — B.S. Electrical Engineering (2013–2017)