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

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

- Built responsive single-page travel blog with Angular; dynamically displays countries, hikes, and restaurants from local JSON files.
- Developed interactive features: random picker for hikes/restaurants, dynamic image galleries with modals and carousels.
- Engineered custom mobile-first UI with complex CSS animations, transitions, and responsive layouts (no external libraries).
- Managed full development lifecycle: version control (Git) and automated deployment to GitHub Pages via custom build script

HoneyDoThis | ASP.NET Core, Angular 16+, SQL Server

- A relationship preserving Full Stack Web Application for domestic tasks/duties using ASP.NET Core, Angular 16+ and SQL Server.
- Developed RESTful APIs with Angular UI using GenAI(DeepSeek).

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)