

Tim Kravel

Doylestown, PA

267-972-2897
TLKaravel@Gmail.com

TKDevDesign.com
[GitHub/TKaravel](https://github.com/TKaravel)

Objective: Passionate developer with a decade of experience creating programs for industrial controllers for CNC machines seeking to transition to a MERN stack role.

Skills: HTML, CSS, JavaScript, React, Node.js, Express, MongoDB, Mongoose ODM, GIT

Projects: Live demos and source code at TKDevDesign.com

Movie search

React / Node.js / Express / MongoDB

Connect to a Restful API to retrieve streaming availability. Search Netflix or Prime Video by year and genre. Displays movie poster, data, and trailer links.

Quit smoking goal tracker

React / Material UI / Node.js / NoSQL

Register to create, save, and track goals. Responsive design and form elements created with Material UI inputs. Connects to a MongoDB cluster using Mongoose ODM.

Parent helper

React / Node / Express / MongoDB

Track multiple aspects of a child's day. User authentication and authorization handled with JSON Web Tokens. Create, update, read, and delete data from a NoSQL DB.

Weather app

React / Node.js / Express.js

Pulls weather data from a third-party Rest API to display to user. User input auto complete powered by Google Places API. Responsive design and mobile friendly.

Experience:

Digital Machine Company: Aug 2012 — Feb 2021

CNC Programmer / CNC Set-up

- Created G-code programs for industrial controllers to machine precision parts from metals.
- Mentor and oversee new employees, helping them to reach deadlines on time.
- Collaborate with other departments to schedule start and estimated completion times.
- Work with clients on research and development to translate ideas into reality.
- Identify possible issues to realistically quote time frames for clients and management.
- Select best machine tooling while keeping tool life and part completion time in mind.
- Install, set geometry, and offset tooling on 2 axis CNC lathes.
- Test run set ups while ensuring job is running correctly and efficiently.
- Interrupt blueprints to maintain close tolerances from engineer's specifications.
- Alter programs and geometry to accommodate tool wear and optimize program completion.