

# KEMUEL T. GERMONES

BS Civil Engineering, Technological Institute of the Philippines – Manila

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## OBJECTIVE

To leverage my skills as a web developer to design and develop dynamic, responsive, and user-friendly websites and applications that meet the needs of clients and end-users while staying up-to-date with the latest trends and technologies in the field.

## PROJECTS COMPLETED/ BEING DEVELOPED

### Unexplained (2022)

Is an online forum web application built with Node, Express and MongoDB that enables users to communicate with each other by posting messages and engaging in discussions on various topics.

### PlayMath (2022)

Is a web-based game built with React that allows users to answer different math problems in addition, subtraction, multiplication and division within a minute using their web browser.

### Trackero (2023)

Is a web project management tool built with TypeScript, React, Express, Node and MongoDB that is intended to use as an internal tool within an organization that allows users to easily track, prioritize and resolve issues, bugs and tasks in a specific project.

### Personal Website (2023)

Is a website built with HTML and CSS that provides information about myself and my individual work samples.

### AppBlast (Ongoing)

Is a social media web application built with React, Express, Node, MongoDB that provides a platform for web developers and designers to express themselves, engage with others, and consume content.

### SoleSpot (Ongoing)

Is a web application store built with Next and MySQL that offers a wide range of the latest and greatest sneakers from popular brands.

## KNOWLEDGE AND SKILLS

- HTML, CSS, JavaScript, TypeScript, React, Next, Adobe XD
- Node, Express, MongoDB, MySQL
- AutoCAD, SketchUp, ETABS, STAAD, SAFE

## ONLINE PRACTICUM

### **Project Planner/ Estimator**

Technological Institute of the Philippines – Manila

February 2021 – March 2021

- Analyzing construction drawings and blueprints to determine the quantities of materials and labor costs.
- Monitoring the progress of the project to identify any changes that may impact the estimate and making adjustments as necessary.
- Maintaining accurate records of all estimates and ensuring that they are properly documented.

## RESEARCHES UNDERTAKEN/CONDUCTED

- Determination of Factors of Safety (overturning and sliding failure) in Various Dam Orientations Using Visualization of Seepage Flow (HM 169)
- Soil Consistency in Bongabong, Oriental Mindoro.
- The Effect of Cogon Grass (*Imperata Cylindrica*) Fiber to the Compressive Strength as an Admixture to Concrete Cylinder.
- The Comparison of Flow Rate in Various Deflectors.

## ACHIEVEMENTS

### **Dean's Lister**

Technological Institute of the Philippines – Manila

2<sup>nd</sup> Semester of 2020–2021