

# Software Engineer

☎ (647) 979-0872

 [Portfolio](#)    [LinkedIn](#)    [Github](#)

Highly motivated software engineer with 5 years of professional experience as a web developer with flexibility to work on any stack. Strong understanding of **React**, **Typescript** and web development fundamentals.

Software Engineer at Quint

## Quint Blog

- Collaborated with a team of 4 to launch blog website in 1 week
- Achieved 100% Lighthouse score with optimized SEO and accessibility

[Astro](#)
[Solid.js](#)
[Typescript](#)
[Tailwind CSS](#)
[Next.js](#)
[Disqus](#)
[GitLab](#)
[RDFa](#)

- Built fully accessible, responsive website with light/dark themes
- Created UI component library based on Radix UI design system and documented on Storybook

 React
  Next.js
  Typescript
  Radix UI
  Tailwind CSS
  Web 3
  Storybook
  GitLab

Calculate

- Led team of 4 front-end developers to create and maintain features and set clear design system standards
- Developed front-end monorepo architecture with 2 apps and 5 independent libraries
- Developed a proprietary charts library using D3.js with 10 different types of charts with animations, interactive tooltips, legends and placeholders with randomly generated data
- Built performant editable tree tables with fixed columns, virtual sticky headers, and advanced styles
- Built time selectors and filters that follow a global state design pattern and sync with the URL
- Integrated Stripe for subscription payments
- Developed proprietary types SDK for API type safety

[React](#)
[TypeScript](#)
[Material UI](#)
[Turborepo](#)
[Sentry](#)
[AWS](#)
[Sass](#)
[Styled components](#)
[react-hook-form](#)
[Zod](#)
[D3.js](#)
[Devexpress](#)
[Storybook](#)

BMW Foundation and TwentyThirty

- Launched two responsive websites with keyboard navigation and screen reader support
- Created accessibility menu with high contrast mode, dyslexia-friendly font, and animations toggle
- Integrated Google Tag Manager and followed SEO best practices

 React
  Gatsby.js
  TypeScript
  Material UI
  JSS
  Multi-language Routing
  Responsive UI
  i18next
  Wordpress
  Twitter API
  Instagram API
  Facebook API
  YouTube API
  Google Tag Manager

- Built back-end API with Express.js and Firebase for authentication, file uploads, emails, and database queries
- Integrated Zoom for automatic meeting link creation and email sending to students
- Built admin dashboard for lecture management and grade emailing to parents

 **Firebase**
 **Express.js**
 **TypeScript**
 **Sendgrid**
 **React**
 **Material UI**
 **JSS**
 **Formik**
 **Yup**
 **Zoom API**

## May 2018 - May 2020

- Conducted system analysis to define APIs with possible responses
- Designed and implemented eCommerce website for international customers
- Integrated Google Maps for delivery location pinpointing and detection
- Integrated Stripe for shipment payments
- Created mock API with configurable front end for each endpoint status code

 React
  JavaScript
  Material UI
  JSS
  Express.js
  Redux
  Stripe API
  i18next
  Google Maps
  JSDoc
  React Testing Library
  Python

## Bachelor's Degree of Computer Science and Automatic Control

Faculty of Engineering - Tanta University

2014 - 2019

## An Express-like C++ web application framework

A simple-to-use web development framework with an easy syntax inspired by Express.js that lets developers build full-fledged back-end multi-threaded API servers with middleware support and connect it to the desired database in C++

 C++17
  CGI
  Apache
  Multithreading
  Linux

## Mastering React (by Mosh Hamedani)

## Node.js - The Complete Guide to Build RESTful APIs (by Mosh Hamedani)

Vue - The Complete Guide (w/ Router, Vuex, Composition API) (by Maximilian Schwarzmüller)

CSS - The Complete Guide (by Maximilian Schwarzmüller)

Master C++ and OOP (Learncpp.com)

## Introduction to Game Development Specialization (Coursera)