

# Alexander Medici

FullStack Softwear Engineer with 3 years of experience.

I love developing softwear that has the potential to drive business disruption & innovation!

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🗣 Fluent In: English, Russian, Croatian, Polish & Serbian

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## WORK EXPERIENCE

### Software Engineering - Manager Property Management Squad Inc.

11/2018 - 01/2022

Toronto, Canada

#### Achievements/Tasks

- Executed bi-directional chat using socket.io. This allowed effective communication between tenants & property management. Allowing management to step in front of problems before it occurred, or resolve issues before they worsened. Boosting profit margins by 32% in one year.
- Used React to create a fast, fluid, and responsive experience for prospective home buyers or renters, no matter what device the content was being viewed on.
- Updated syntax of subscription portal in Javascript language, which improved overall security and reliability of tenant login portal.
- Worked with the product owner to create, refine, and prioritize user stories that advanced the content management system with ROI as a focus.

## EDUCATION & HONOURS

### Post Graduate in Full Stack Web Development California Institute of Technology (Caltech)

11/2020 - 11/2021

California, United States

Thorough Foundation & Expertise, building end-to-end applications from scratch. Relevant Coursework:

- **Languages:** Java, HTML5, CSS3, & TypeScript, JavaScript ES6, SOAP, Servlets
- **Frameworks/Libraries:** Angular, jUnit 5
- **Databases:** MongoDB & MySQL
- **Tools:** Agile, Hibernate and JPA, Spring Core 5.0, AWS, REST, JSPs, Git, Docker, RabbitMQ, Maven, Selenium, Jenkins, CRUD

### Certificate in Immersive Software Engineering General Assembly

05/2021 - 08/2021

Toronto, Canada

Immersive front-end programming languages & back-end servers & databases. Relevant Coursework:

- **Languages:** JavaScript, Python, SQL, HTML, CSS, Sass, Command-Line Interface/Terminal.
- **Frameworks/Libraries:** Node.JS, React, jQuery, React Native, Redux, Express.JS, Materialize, Material UI, Bootstrap & Django
- **Databases:** PostgreSQL, SQLite, MySQL, MongoDB, Atlas, & Compass
- **Tools:** RESTful Routing APIs, Photoshop, Git, GitHub, Terminal, G-Suite, Postman, PostBird, Figma, Adobe XD, Slack & Trello Boards, Miro, EJS Templates & Bash

## SKILLS

PROGRAMMING LANGUAGES: -----

Command-Line Interface

Python

JavaScript

HTML5

CSS3

SQL

Servlets

Java

Typescript

SOAP

C#

Solidity

TOOLS AND TECHNOLOGIES: -----

Hibernate

Agile

JPA

Spring Core 5.0

AWS

REST

JSPs

Git

RabbitMQ

Figma

Docker

Maven

Selenium

CRUD

Jenkins

FRAMEWORKS/LIBRARIES: -----

React Native

Angular

React

jUnit 5

jQuery

Node.Js

Redux

Django

Bootstrap

Material UI

Kaboom.js

Materialize

Express.JS

DATABASES: -----

PostgreSQL

Compass

MongoDB

MySQL

SQLite

Atlas

## PERSONAL PROJECTS

### Quickoin - Real Blockchain Application

- A full-fledged application which allows users to send transactions through the blockchain. Each transaction is paired with a Gif & stored forever on the digital ledger [Check out the Project here:](#)

### PathFinder - Pathfinding Algorithm Visualization Tool

- Implemented Dijkstra's algorithm to find the shortest path between two points on a graph. Popular tool used for Digital Mapping Services like Google Map [Check out the Project here:](#)

### ShopeFare - E-commerce Store

- Fully functional eCommerce website with Stripe integration for card transaction. Used advanced React & JavaScript. Implemented Material UI for a modern interface. [Check out the Project here:](#)

### Mario There & Back Again - Online Computer Game

- Fight evil mushrooms, gather coins, & explore new engaging levels, in this static page online game [Check out the Project here:](#)

### AI BLOG - UI/UX Website

- Transformed a Figma design into a fully functioning Modern UI/UX Website using React JS. [Check out the Project here:](#)

### Currency Convertor - Exchange Rate Calculator

- The exchange calculator fetches data from an external API to get currency data. [Check out the Project here:](#)