

# Ernest Michael Dicks

Software Engineer

## SUMMARY

Detail-oriented software engineer with experience in full-stack web development. Passionate about creating innovative and effective applications. Seeking opportunities to utilize and enhance my skills with a tech company that has a global reach.

## WORK EXPERIENCE

### React Developer at LUX Interactive, Troy, MI

August 2022 — May 2023

- Developed dynamic user interface for various platforms using reusable, high-quality code
- Collaborated with project managers and senior developers to plan work, share ideas, troubleshoot, and fix bugs
- Optimized front-end elements to enhance performance across different devices and browsers
- Assisted team members in maintaining architectural compliance, ensuring functional accuracy, and adhering to appropriate industry standards
- Built reusable components and front-end libraries for future use
- Translated designs and wireframes into high-quality code
- Maintain, service, and handle all incoming inquiries from clients, utilizing a strong understanding of web development and web technologies to troubleshoot technical issues with the products.
- Fully learn and understand the client requirements to effectively support clients and identify opportunities for product enhancements.
- Relate bugs and needed fixes to the web development team and relay client feedback to enhance products and services.
- Utilize strong time management and multitasking skills in a fast-paced environment.
- Attend regular client and internal MS Team meetings to discuss project progress and identify areas for improvement.

### Front End Engineer at Waste Management, Houston, TX

July 2021 — August 2022

- Proposed and implemented UI modifications and enhancements for the Android Driver Assistant Mobile Application used by 24,000 drivers across the country
- Maintained availability for critical matters and troubleshooting of the Driver Assistant Mobile Application 24/7/365
- Utilized AWS Kinesis and S3 in the Driver Assistant Application to upload GPS payloads, images, route information, and customer order information to the cloud
- Co-led an effort to integrate Third Eye Gateway with the Smart Truck On-Board Unit, enabling a rolling data platform on the device and increasing revenue by 50%, in addition to upgrading the driver workflow to a touchless experience
- Contributed to the Third Eye Gateway code integration into the Driver Assistant Application by configuring API calls using RxJava to facilitate two-way communication between the two applications

## CONTACT

313.269.0176

[ernestdicks015@gmail.com](mailto:ernestdicks015@gmail.com)

<https://www.linkedin.com>

</in/ernest-dicks>

<https://edev.netlify.app/>

## SKILLS

HTML

CSS

Javascript

React

SOAP/REST

HTTP

SQL

XML

Flexbox

AWS

Solidity

Hardhat

MongoDB

Azure

Python

Ruby

OOP

Web Accessibility

.NET

C#

Java

Node Js

Android

RxJava

Splunk

DataDog

## EDUCATION

North Carolina A&T SU

- Worked with cross-functional business teams to translate and document technical requirements for project launches and deliverables

#### Recent Projects:

**CryptoWatchlist (FullStack React Web App)** – Users are authenticated when creating a new account and can save and/or delete their crypto coins to their watchlist that can be viewed under their account.

**Netflix (Full Stack React Web App)** – Users are authenticated when creating a new account and can save and/or delete their favorite movies or tv shows from their account. Users can only view their favorite movies or tv shows if signed in.

**Believe, Trust, and Change Counseling (WordPress)** - Users are able to view counseling information related to Abuse, Domestic Violence, Anger Management, Grief/Loss and many other topics that will help them make the change they desire.

**Other Projects:** Todo List, Expense Tracker, Hangman, Spotify, Twitch, WeatherApp

#### Freelance Web Developer | Detroit, MI

October 2020 — July 2021

- Created full-stack web applications and static websites for small and medium-sized businesses, consulted on SEO and social media strategy. Clients included:

Believe, Trust, and Change Counseling

#### Programmer at State of Michigan–Unemployment Agency | Detroit, MI

February 2020 — September 2020

- Assessed tickets submitted by employers and UI claimants, reviewed issue letters, and transferred relevant information into a development environment to correct discrepancies and ensure problem resolution
- Made code changes to unemployment documents populated by VB.NET code
- Managed code changes to the back-end database by querying the database to validate documents using the Gentax software, SQL(SMSS), VB.NET, and Visual Studio

#### Process Control Engineer at US Steel | Ecorse, MI

February 2019 — October 2019

- Improved the user interface (UI) of an application that provides iron heat level information for Argon Alloy Model Operators using NetBeans, SSMS, and Java.
- Utilized ThingWorx to transform an asp.net webpage into a smart table, enhancing data visualization for safe iron production.
- Led the conversion of Prowler, an energy management system that monitors energy consumption and spending, into a smart table to improve data display for Boiler House gas usage using Thingworx, Pi tags, Pi ProcessBook, and Excel.
- Developed a Windows service by converting a C# program to run a Thermo Scientific ARL Spark analysis, resulting in more efficient laboratory results.

#### Solutions Developer at Miracle Software Systems | Novi, MI

February 2018 — January 2019

- Supported the development of an Application Programming Interface (API) to monitor inventory delivery using JavaScript and the MEAN Stack (MongoDB, Express.js, Angular, Node.js), and deployed the system using Docker containers.
- Built, tested, and scaled applications within Cloud Foundry, ensuring fast and seamless product delivery.

2010 - 2015

Bachelors in Computer

Science

#### Ethereum Blockchain Bootcamp

Relevant courses: Solidity, EtherJs,

Hardhat

#### The Break Into Tech Blueprint

Relevant courses: Responsive

Web Development, Ruby, Python:

Data Visualization

#### Grand Circus

C# .NET Bootcamp

