

*Motivated and Dynamic Web Developer / Programmer/ Statistician/ Data Analyst/ Public Health*

## **FULL STACK DEVELOPMENT | PROVEN KNOWLEDGE IN REACT.JS**

Motivated and dynamic Web Developer with a keen focus and experience in web application development and web layout design, with a strong work ethic and innate ability to adapt in ever-changing and challenging environments. Education and experience in comprehensive problem solving, creative troubleshooting, and complex project management. Accomplished with effective collaboration skills, team building capabilities and leadership in diverse and multifaceted operations.

- Developing and designing user friendly cross browser compliant web sites, and User Interface(UI) applications using JavaScript, HTML, CSS and ReactJS.
- Developed Object oriented code and worked with JavaScript validation.
- Developing various client-side validation libraries using JavaScript.
- Developing and updating a web page quickly and effectively using HTML5, CSS, JavaScript, and jQuery with the webpage cross browser compatibility.
- Hands-on experience in using ReactJS with ES6 features to develop reusable components.
- Designed a front-end user interface with ReactJS by creating many components and modules.
- Database development skills like MySQL, MongoDB and PostgreSQL.
- Used Git for version controlling, error reporting, and project management tools Jira.
- Highly motivated, reliable analytical problem solver and Trouble-shooter with strong attention to details.

## **CORE COMPETENCIES**

*Creative Problem Solving | Communications | Business Operations | Quality Assurance | Project Management | Enterprise Web Application Development | Web Layout Design | Stored Procedures | Software Development*

## **CAREER PROGRESSION**

### **Public Health Department**

**Oct 2020 - Nov 2021**

**Public Health Statistician** – City of Kansas City, MO

- Develop procedures for reporting and recording of statistical reporting forms and procedures.
- Provide background information research projects.

- Analyze and tabulated data, plans and prepares forms for detailed and summary table reporting results of research studies.
- Construct illustrative visualizations for graphic expression of tabular data.
- Gather, report and analyze public health, demographic, sociological, and other statistical data.
- Apply statistical techniques such as computations of averages, percentage distributions, standard deviations, linear and non-linear equations of relationships and correlation coefficients, interpret results of statistical analyses.
- Prepare periodic statistical reports to summarize departmental activities.
- Prepare statistical reports and presentations based on requests for different in house and public requests.
- Performed data analysis and data profiling using complex SQL on various sources systems including MongoDB
- Create ArcGIS maps for different health and health related indicators.
- Build, update, monitor City of Kansas City COVID19 Dashboard on daily and weekly basis.
- Update City of Kansas City Open Data on weekly basis.
- Document all data mapping and transformation processes in the Functional Design documents based on the business requirements.
- Pre-process data to identify the features with missing data by writing Python scripts.
- Writing scripts to implement Predictive Modeling algorithms.
- Interpret the results of the Predictive Models and document them in the project report.
- Writing scripts in R and Python to perform data exploratory analysis.

## **WESTAT**

**Aug 2019 - Oct - 2019**

**Cspro Developer**– Rockville, MD

- Create and maintain clearly written technical, user, and system documentation.
- Develop Cspro Programming for the data collection.
- Supporting an existing CPro Development team with data collection form development.
- Development support will also include complex customisations and workflow programming.
- Designing the forms and questionnaire for the survey.
- supporting an ongoing survey project for the census bureau developing a survey template among other duties.

## **CSA-Ethiopia**

**Aug 2010 - Apr 2018**

**Statistician** – Bahir Dar, Ethiopia

- Manage the planning and development of design and procedures for metrics reports.
- Perform descriptive and detailed analysis of the above annually socio-demographic surveys.
- Develop Cspro applications for Android/windows phone mobiles to collect the data online and offline (CSEntry).
- Manage field works of Annual Agricultural sample survey, Large and Medium scale industry, Child labor and time use surveys at Regional and district level.
- Data cleaning and quality check of the collected data for further analysis.

- Develop Tableau data visualization using Scatter Plots, Geographic Map, Pie Charts and Bar Charts and Density Chart.
- Developing containment scripts for data reconciliation using SQL, Python and R.
- Performed data analysis and data profiling using complex SQL on various sources systems including MongoDB
- Performed Data Cleaning, features scaling, features engineering using pandas and Numpy packages in python, dplyr and other tidyverse ecosystem for data cleaning and feature engineering in R.
- Responsible for defining the key identifiers for each mapping/interface.
- Worked on Performance Tuning and understanding Joins and Data distribution.
- Conducting mapping walkthroughs sessions with the Business and other project stakeholders.
- Created User Interface reports for validating the Data through Reporting Services.
- Create and maintain clearly written technical, user, and system documentation.

## **EDUCATION**

**MASTER of SCIENCE** | *Public Health* | Bahir Dar University College of Medicine

**BACHELOR of SCIENCE** | *Applied Statistics* | Jimma University

**TECHNICAL PROFILE** | *JavaScript* | *R* | *RStudio* | *Shiny WebApp* | *ArcGIS* | *Cspro* | *HTML* | *XHTML* | *CSS* | *React* | *Node* | *Express* | *WordPress* | *Bootstrap* | *Windows* | *Linux* | *MySQL* | *MangoDB* | *PostgreSQL* | *GitHub* | *VS Code* | *Slack*