

## Summary

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Experienced Software Developer with a strong background in data processing, automation, and survey deployment. Intermediate to advanced proficiency in JavaScript, Python, SQL, and PostgreSQL, with a proven track record in developing automated data capture tools, interactive dashboards, and responsive surveys. Adept at managing the full technical lifecycle of survey deployment, overseeing high-volume data collection, and ensuring timely project delivery. Passionate about optimizing workflows, enhancing user experiences, and fostering team collaboration and training.

## Skills

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**Frontend:** JavaScript, React, TypeScript, HTML5, CSS3, Redux, Jinja, Tailwind CSS, Bootstrap

**Backend:** Python, PostgreSQL, MySQL, Flask, SQLAlchemy, Regex, Node.js, REST API, MongoDB

**Dev Ops:** Git, CI/CD, Bash, PowerShell, AWS, Docker, Kubernetes, Linux

**Data Engineering:** Apache Spark, SQL

**AI:** LangChain, Databricks, OpenAI API, Hugging Face

## Experience

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**Manager, Data Processing, B2B International, a Merkle company**

January 2016 - Present

- Managed the full survey lifecycle, overseeing high-volume data collection (100,000+ clicks annually) and delivering projects on time
- Engineered automated data capture tools and interactive dashboards using JavaScript within the Forsta / Confrimit SaaS platform, enabling efficient data processing and visualization for clients
- Developed an AI data summarizer and categorizer in Databricks using the OpenAI API and the LangChain framework as an add-on feature in client dashboards and for internal use by data analysts
- Delivered comprehensive training and support to colleagues on the utilization of survey web tools and analysis software, fostering team proficiency and productivity

**Apprentice Software Engineer, Coding Temple**

January 2023 - June 2023

- Designed and deployed full-stack web applications using React, Flask, Python, TypeScript, Tailwind CSS, and Redux, including robust backends with API endpoints for CRUD operations on PostgreSQL databases
- Formulated algorithms and utilized tools like Regex and bubble sort for efficient data processing, while also managing relational SQL databases and implementing complex queries for data analysis
- Collaborated effectively within development teams to deliver projects on time, contributing to all phases of the software development lifecycle

**Programmer / Analyst, B2B International, a Merkle company**

November 2012 - January 2016

- Scripted and deployed web and telephone surveys within the Forsta / Confrimit SaaS platform
- Implemented complex survey logic using JavaScript and designed responsive HTML / CSS templates to optimize data collection and improve survey effectiveness
- Created PowerPoint reports containing comprehensive statistical analysis of survey data, providing clients with actionable insights

## Projects

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**Software Engineer, Seer Weather**

[Project link](#) | [GitHub \(frontend\)](#) | [GitHub \(backend\)](#)

- Created a responsive and engaging React / TypeScript frontend with modern styling using Tailwind CSS, leveraging React hooks and components
- Built a secure and efficient Flask / PostgreSQL backend for data management and handling user authentication through hashing
- Integrated the Open-Meteo API for real-time weather updates

**Software Engineer, Climbing Spot**

[Project link](#) | [GitHub](#)

- Developed a full-stack web application featuring a user-friendly Jinja-templated frontend and a robust backend
- Designed RESTful API endpoints utilizing Flask, SQLAlchemy, and PostgreSQL for efficient data management
- Implemented Auth0 and JWT-based authentication and authorization to ensure secure user access and resource protection

**Software Engineer, Face Recognition Application**

[Project link](#) | [GitHub](#)

- Developed an AI-powered web application using React to enable real-time face detection and recognition from uploaded images
- Integrated with the Clarifai Face Recognition API to perform machine learning-based image analysis
- Implemented a responsive user interface that allows users to seamlessly upload images and view face detection results

## Education and Certifications

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**Google Cybersecurity Certificate, Coursera**

**Software Engineering Certificate, Coding Temple**

**Full Stack Web Developer Nanodegree, Udacity**

**B.S. Information Systems, Fordham University - 3.83 GPA, Summa Cum Laude, Dean's List**