Claude V. Aldric

Software Engineer

Software engineer skilled in full-stack software development using the Agile Scrum framework. Over 5 years of experience generating software solutions as an analyst in the investment industry. Spearheaded 8 data analytics and automation projects, resulting in over 650 hours saved per quarter. BS in mathematics with a statistics minor and an associate degree in financial services, garnering many accolades such as Valedictorian Candidate, Honors Program scholar, and a 4.0 GPA, among others.

PROJECTS (CURATED)

COVID-19 Dashboard | Personal Project, General Assembly

A responsive U.S. COVID-19 dashboard featuring a U.S. choropleth map timeline of total confirmed SARS-CoV-2 cases and an SIR mathematical model and fit. The website was built using HTML, CSS, JavaScript, and jQuery; the data was obtained through external APIs; and the SIR model was built using Python, NumPy, Pandas, and SciPy.

Unify | General Assembly

Unify is a responsive full-stack web application that can transform a string list of food recipe ingredients into a unified shopping list where similar ingredients are combined and categorized. It is built with the MERN (MongoDB Atlas, Express.js, React.js, Node.js) stack and it is deployed on Amazon EC2 (AWS).

Battleship | General Assembly

A clone of the strategy game of the same name built with the MERN stack and Bootstrap with two other collaborators. Our team adopted the Agile Scrum framework with Jira where I served as the Product Owner.

Client Report Template | StepStone Group

Automated most of the quarterly client report generation process using Excel, Power Pivot, M (Power Query), DAX, MySQL, and VBA, requiring only the reporting period and client arguments from the user. **Time savings**: 300+ hours per quarter.

Client Data Template Parser | StepStone Group

Automated the hourly collection and aggregation of relevant financial data from 600+ templates scattered throughout the shared file system using Python, MySQL, Task Scheduler, and Git/GitHub. **Time savings**: 300+ hours per quarter.

File Tracker | StepStone Group

Automatically tracked and collected the following metadata hourly from the relevant financial documents using Python, MySQL, Task Scheduler, and Git/GitHub: document type, reporting period, file path, date uploaded, investment ID, fund name, and client. **Time savings**: 50+ hours per quarter.

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SKILLS

Languages: Python, TypeScript, JavaScript, HTML, CSS, SQL

Libraries/Frameworks: Node.js, React.js, Express.js, jQuery, Bootstrap, Flask, NumPy, SciPy, Pandas, Matplotlib

Databases: MongoDB, MySQL, PostgreSQL

Development Frameworks: Agile, Kanban, Scrum (Jira)

Other: Git, GitHub, Object-oriented Programming (OOP), Functional Programming, APIs, CLI, AJAX, Amazon Web Services (AWS), Heroku, MVC, Computer Science fundamentals, Vim

EDUCATION

General Assembly
Software Engineering
MAY 2020 – AUGUST 2020

Cleveland State University
BS in Math, Statistics Minor
AUGUST 2016 – DECEMBER 2018
Accolades: 4.0 GPA, Summa Cum Laude, Valedictorian Candidate, Outstanding Senior, Outstanding Mathematics Major, Honors Program, Choose Ohio First Research Cohort and Scholarship, President's List, Dean's List

Lorain County Community College
Associate of Applied Business in Financial Services
MAY 2012 – DECEMBER 2014
Accolades: 3.9 GPA, Graduated with Honors, Dean's List

General Assembly | Remote

Software Engineering Fellow

MAY 2020 – AUGUST 2020

Served as the Product Owner for a collaborative app project.

Built 4 apps from scratch using the following technologies: Git/GitHub, HTML, CSS, JavaScript, TypeScript, jQuery, APIs, Python, NumPy, Pandas, SciPy, MongoDB, Express.js, React.js, Node.js, EJS, and Heroku.

Implemented the Agile Scrum development framework using Jira for all projects.

StepStone Group | Greater San Diego & Greater Cleveland

Senior Analyst

JANUARY 2020 – MAY 2020

Spearheaded 6 projects and initiatives using Excel, VBA, Power Pivot, M (Power Query), DAX, MySQL, Python, Pandas, and Git/GitHub in collaboration with the Operations Director, the innovation task force leadership, and end-users, yielding 350+ hours of time savings per quarter.

Appointed to a specialized innovation task force that leveraged research and technology to maximize department workflow efficiency and data analytics capabilities.

Contributed to multiple Excel and Power BI data dashboards through data wrangling, KPI calculation creation and implementation, and data visualization generation.

Analyst

APRIL 2018 – JANUARY 2020

Spearheaded 2 projects using Excel, VBA, Power Pivot, M (Power Query), DAX, and MySQL in collaboration with the Operations Director and end-users, yielding 300+ hours of time savings per quarter.

Mentored and directed two interns using a Kanban framework, resulting in their learning of programming fundamentals with Python, their significant contribution to my projects, and their integration into the greater real estate team.

Designed and facilitated the technical test to better screen potential hires.

Courtland Partners | Greater Cleveland

Analyst

SEPTEMBER 2015 – APRIL 2018

Streamlined and took over the document management process, effectively managing over 4,000 financial documents per quarter.

Automated various Excel workflows using VBA, saving 10+ hours per quarter.

Produced high-quality quarterly and ad-hoc client performance and cash reconciliation reports ahead of schedule.