

# Zaylin K. Burris

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## Introduction

Results-driven Senior Software Engineer, driving agile automation projects as a Scrum Master. Proven expertise in crafting scalable, maintainable, and cost-saving software solutions for a wide variety of uses. A dynamic leader and innovative developer, I specialize in designing modern UIs and robust back-end structures using C#, Java, JS/html/css, C/C++, Python, and more. Proficient in managing high-usage, large-scale relational databases, optimizing application performance, and leading and facilitating other developers, while also collaborating effectively with customers and stakeholders. Former Data Specialist with a solid foundation in data science, demonstrating proficiency in SQL, Entity Framework, Numpy, Tableau, Excel, and VBA. As a dedicated and self-motivated engineer, I bring a burning desire for success, a progressive mindset, and strong professional and interpersonal skills to drive innovation and exceed project expectations.

## Employment

- **Senior Software Engineer** – Quest Global Engineering, Greenville, SC | Nov2021-Current
    - Senior Engineer, Lead Developer, and Scrum Master of a software engineering team in an agile development structure.
    - Creates, owns, and maintains a wide variety of desktop and web applications. Focusing on accurate, clean, readable, and reusable code to create the most robust and trustworthy solutions.
    - Creates, owns and maintains large-scale relational databases in SQL and MS Access.
    - Demonstrated ability to Improve performance of any pre-existing & reworked applications using modern logic and frameworks (time of execution, usability).
    - Effectively collaborating with product owners and stakeholders to gather requirements, define new software development plans, provide savings estimates.
    - Examples can be found on my Portfolio Website <https://zayb333.github.io/zaylinburris-developer/>
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- **Data Systems Specialist** – Tennessee Electric Company, Greenville SC | Dec2020-Nov2021
    - Data system owner in Gas Turbine Technology Lab for combustion testing, gathering US Government export-controlled data for gas turbine combustion research & development.
    - Maintaining, improving, and updating an elaborate calculation program written in C++.
    - Creating and maintaining live-data display screens using LabView.
    - Troubleshooting and testing of various internal and external software
    - Accurately writing VBA macros for ease in preparing and handling data
    - Programmatically calibrating and maintaining various measurement devices to ensure validity of data. Devices include, but not limited to, Pressure systems, LXI boxes, Viasalas, Ruskas, Mensors, and many more.

## **Skills**

- Software Development & Data Science Languages and Tools
- I have proficient knowledge and experience in the following languages and tools:
  - C#, Blazor, Entity Framework
  - JavaScript, html, css, jQuery, Node.js, React.js
  - Python, Pandas, NumPy
  - Java
  - C
  - C++
  - SQL, JSON, Excel (VBA), Microsoft Office
- Creative and Accurate Visual Programming, Data Display, and Modeling
  - LabView
  - Tableau
  - AutoCAD
  - Autodesk Maya (3D modeling/animation),
  - Adobe Premier, Adobe Photoshop
- Strong Professional and Management Skills
  - Business Analysis,
  - Project Management (Agile),
  - Time Management

## **Education**

- Clemson University | Clemson, SC
- Bachelor of Science | December, 2020
- Management Information Systems (Major)
- Digital Production Arts (Minor)