

# -AKSEL FREEMAN-

## 2023 GRADUATE SOFTWARE ENGINEER

Critical Thinking | Computer Language Proficiency | Computer Analysis | Problem Solving

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23-year-old, self-driven, and strategic Software Engineer with knowledge in programming languages, network analysis, database management, and computer architecture. Creative Developer with proven success in translating an organization's big picture vision into an actionable plan that delivers on identified objectives. Expertise in Java, C/C++/C#, Python, HTML, CSS, Javascript, Node.js, SQL, Xilinx, Quartus, Vivado, KiCad, Ruby, Wireshark, Microsoft Azure, MIPS, and Prolog. US Citizen who previously worked for military contracted companies specialized in aerospace and advanced technologies. Holds the ability to gain security clearance.

### KEY ACCOMPLISHMENTS

- **Domain Hosting:** Currently freelance for hosting domains and creating HTML websites on HostGator for professional companies.
- **Application Deployment:** As a Contractor for TGI Friday's, developed and deployed an application from Microsoft Azure that helped save money amongst multiple franchise locations.
- **Website Development:** As an IT Analyst for Lone Star Circuits, developed multiple websites for internal use through HTML, CSS, and Javascript that increased co-worker efficiency.
- **Process Controls:** Lead computer engineer for manufacturing processes at STEMCO. Developed python scripts and a Visual Basic application for programming and serializing the TI microcontrollers. The program decreased the time it took to program microcontrollers, leading to a higher output rate for products.

### SIGNATURE QUALIFICATIONS

SQL Database Knowledge  
Computer Analysis  
Ability to Work Remotely

Database Management  
Software Life-Cycle Development  
Full-Stack Development

Agile Practices  
Debugging Techniques  
Software Integration

### PROFESSIONAL EXPERIENCE

Lone Star Circuits • IT Analyst • Wylie, TX

Sep 2023 - Dec 2023

Developed multiple internal websites with HTML, CSS, Javascript, and Node.js along with multiple API's to maintain and create websites. Additionally, I helped with creating MySQL servers on virtual machines.

- **Server Knowledge:** Created a Free PBX VoIP server with database, email, and fax capabilities all on a ProxMox virtual machine that can be backed-up.
- **Front-End HTML Dev:** Used HTML, CSS, and Javascript to be able to design multiple internal websites that handled forms, file submission, and dynamic tables while running off a Node.js server.
- **Back-End Node.js Server Dev:** Manufactured a Node.js server to run internal websites. The server handled form upload, file upload, emails, database updates, local storage updates, and more.

STEMCO • Process Controls • Longview, TX

Jan 2023 - May 2023

Worked independently and within a specialized group to develop a better process in which TI microcontrollers were programmed and developed for products. Lead developer for machine process controls, serialization, and gang programming by integrating many programming languages into one machine.

- ▶ **Python and C Software Development:** Used C/C++ code to Visual Basic and integrated python scripts to work simultaneously on Texas Instrument microcontrollers.
- ▶ **Firmware Understanding:** Understood firmware development on Texas Instrument microcontrollers to be able to serialize them through C code on Visual Basic.
- ▶ **Program Problem Solving:** Translated the language of an Elptron MSP430 programmer box to a TI MSP430 Gang Programmer using Visual Basic.

TGI Fridays Corp. • Database Administrator, Application Developer • Dallas, TX May 2019 - Mar 2020

Worked within a technical group to maintain and manipulate data within a SQL database while deploying algorithms, functions, and servers. Developed applications for SQL databases and file storage while giving technical support.

- ▶ **SQL Database Manager:** Helped manage a SQL database on a DMS with the IT team. Queried and deployed multiple tables and other DB.
- ▶ **Microsoft Azure Dev:** Developed a Microsoft Azure Cloud application that gathered data from every store and saved the data on a server directory.
- ▶ **Directory Sorting Application:** Created small quality of life applications through Microsoft Azure that sorted and named local files into directories that would be put in the DB.

## TECHNICAL SKILLS

Java | C | C++ | C# | Python | HTML | CSS | Javascript | Node.js | Visual Basic | Ruby | Prolog | MIPS | SQL | Xilinx | Quartus | Vivado | Wireshark | Microsoft Azure | Excel | KiCad | Data Recovery | Logisim | Swipl | Windows | Linux | Google Drive | Microsoft Office

## EDUCATION & RELATED COURSES

Bachelor of Sciences – Computer Science • 3.78 GPA Magna Cum Laude • LeTourneau University • Longview, TX

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|--------------------------|----------------------------------|
| ▶ Data Structures        | ▶ Networks & Data Communications |
| ▶ Computer Architecture  | ▶ Programming Languages          |
| ▶ Software Engineering   | ▶ Database Management            |
| ▶ Operating Systems      | ▶ Electric Circuits              |
| ▶ Analysis of Algorithms | ▶ Digital Electronics            |
| ▶ Digital Forensics      |                                  |
| ▶ Automata Theory        |                                  |
| ▶ Compilers              |                                  |
| ▶ Information Systems    |                                  |
| ▶ Network Security       |                                  |