

---

# Jeremiah Slaton

Beech Island, SC 29842

✉ jnslaton93@gmail.com | ☎ (803) 341-5418

🌐 slatonforged.dev

---

## Professional Summary

Entry-level **Software / Embedded / Systems Engineering** candidate with a strong foundation in **software development, electrical systems, automation, and mechanical engineering.**

Currently pursuing an Associate of Science in Computer Technology with a programming emphasis. Experienced in **safety-critical, documentation-driven environments** and self-directed engineering projects spanning **software, infrastructure, and rapid prototyping.**

Seeking **internship or entry-level roles in defense, aerospace, or advanced manufacturing.**

---

## Core Technical Skills

### Programming & Software

- C++ (procedural & object-oriented)
- HTML, CSS, JavaScript
- Version control with Git / GitHub

### Embedded & Systems Engineering

- Embedded systems fundamentals
- Hardware–software interaction
- Control systems & automation concepts
- PLC-integrated system troubleshooting

### Systems & Infrastructure

- Server hardware integration
- Virtualization & container concepts
- Network switching fundamentals
- Storage planning, redundancy, and fault isolation

## Design & Prototyping

- 3D CAD modeling
- Rapid prototyping & iterative design
- Mechanical fitment and tolerance awareness
- Reverse engineering legacy components

## Tools & Platforms

- Visual Studio Code
- SAP CMMS
- AutoCAD
- Microsoft Project

## Professional Strengths

- Requirements-driven work
  - Technical documentation & traceability
  - Root-cause analysis
  - Cross-disciplinary collaboration
  - Safety- and quality-focused mindset
- 

## Education

**Aiken Technical College** – Aiken, SC

**Associate of Science, Computer Technology (Programming Emphasis)**

*Expected May 2027*

**Augusta Technical College** – Augusta, GA

**Associate of Applied Science, Mechanical Technology**

*May 2017*

---

## Engineering Projects & Applied Experience

### Systems Engineering & Infrastructure Lab

- Designed and deployed a **multi-node home server environment** using enterprise-style hardware
- Implemented **network switching, storage, and compute role separation** across nodes
- Applied reliability principles including **redundancy, structured naming, monitoring, and fault isolation**

- Used the environment to support development workflows, services, and experimentation with virtualization concepts

## Rapid Prototyping & Mechanical Design (Automotive Retrofit Projects)

- Designed custom **mechanical retrofit components** to replace or adapt discontinued OEM parts
- Created **fitment-critical 3D models** with attention to tolerances and real-world constraints
- Produced functional prototypes via **3D printing**, iterating designs based on testing and failure analysis
- Integrated mechanical components with **existing electrical and structural systems**

## Software & Web Projects

- Designed and deployed a **personal engineering portfolio website** using HTML, CSS, and JavaScript
- Developed **C++ applications** focused on user input handling, logic control, and simulation concepts
- Applied **Git-based version control** for structured development and iteration
- Built **responsive, mobile-first interfaces** using modern web standards

Apply software, electrical, and mechanical engineering principles to self-directed systems and prototyping projects.

---

## Professional Experience

### Rolls-Royce Power Systems – Aiken, SC

#### Remanufacturing and Overhaul Technician September 2025 – Present

- Support **high-reliability power and industrial systems** in a safety-critical manufacturing environment
  - Diagnose electrical, mechanical, and control-system faults using structured troubleshooting methodologies
  - Execute work aligned with **strict documentation, quality, and compliance standards**
  - Collaborate with engineering and operations teams to improve system uptime and reliability
- 

### Autoneum North America – Aiken, SC

## **Maintenance Technician**

**October 2022 – August 2025**

- Diagnosed and repaired **PLC-controlled automation systems** in a high-volume production environment
  - Interpreted **electrical schematics, wiring diagrams, and control logic** to isolate system failures
  - Managed preventive and corrective actions using **SAP CMMS**
  - Identified recurring automation issues and supported long-term reliability improvements
- 

## **EMSAR – Field-Based**

### **Medical Field Service Engineer**

**March 2021 – May 2023**

- Installed and serviced **advanced medical and imaging systems** operating under strict regulatory controls
  - Troubleshoot **electrical, software-assisted, and mechanical subsystems** in mission-critical environments
  - Produced detailed service documentation and trained end users on system operation and safety
  - Maintained accurate service and inventory records across multiple secured client sites
- 

## **Graniteville Specialty Fabrics – Aiken, SC**

### **Multi-Craft Maintenance Technician**

**November 2020 – March 2021**

- Supported automated production equipment including **relay-based and control-driven systems**
  - Assisted with electrical repairs, equipment upgrades, and reliability improvements
  - Applied structured fault isolation to minimize downtime
- 

## **Certifications & Eligibility**

- OSHA 10
- Valid Driver's License
- Eligible for work in **regulated and secure environments**