




# Jesse Schultz

Software Engineer  
B.S. Electrical Engineering

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 605-237-1529

## Mission Statement

I am an experienced engineer looking for my next challenge, opportunity to learn, and to make a larger impact with my career.

## Education:

B.S. in Electrical Engineering – North Dakota State University  
 Fargo ND – May 2019  
 Curricular Focus: Computer Systems, Electric Drives, and Modern Control

## Employment History

Software Engineer II – Mission Systems (Radio Platform Services), Collins Aerospace  
 October 2020 – Current Position Cedar Rapids, IA

Culture:

- Competitive and goal driven
- Agile styled dev cycle
- Direct customer contract award driven expectations

Responsibilities:

- Work within a team to meet management performance goals
- Design, write, and test software on target hardware.
  - Radio Operating environment:
    - **Linux/C++** – design software features to meet management and customer defined requirements.  
Ensure software operates under multiple toolchains of both Arm and x86 target environments
- Ensure customer property is secure, locked, and accounted for.
- Deliver on time software packages to meet customer requirements
- Assist testing of software to ensure meeting or exceeding customer expectations
- Go above and beyond in identifying problems before they arise or opportunities to excel beyond requirements while still meeting deadlines.

Embedded Software Engineer – Global Engineering, Doosan Bobcat NA  
 May 2017 – October 2020 Bismarck ND

Culture:

- Self managed task driven environment
- Individual responsibility and expectations for company goals

Responsibilities:

## Contact

[Jesse@schultz.pro](mailto:Jesse@schultz.pro)  
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## Links

[LinkedIn](#)  
[BitBucket - Git](#)  
[Upverter - Circuit](#)  
[www.schultz.pro](http://www.schultz.pro)

## Skills

Leadership/Teamwork  
Communication  
Composure under pressure  
Self Task Management

## ToolSets and Competency

C/C++	★★★★★
Lua	★★★★★
Qt/QML	★★★★★
Matlab/Simulink	★★★★☆
Git/SVN	★★★★★
Python	★★★★☆

## More:

Linux/Bash, gdb, quagga/zebra, buildroot, .Net, C#, Jenkins/Hudson, Fusion360, MS Office

- Work with other teams to determine tasks and provide achievable estimates of the integration timeline
- Design, write, and test software packages in multiple languages and toolsets
  - Embedded HMI work (gui):
    - **Linux/C++/Qt/QML** – Compact Equipment Touch HMI
    - **Linux/Lua with Crank storyboard** – A lightweight, budget, and performant compact equipment HMI
  - Embedded Controllers:
    - **C++/C** – Use various inputs and sensors to drive machine outputs and functionality. Combining knowledge of the machine hardware and microcontroller hardware to design software to meet the necessary specified requirements.
- Deliver on-time, stable, and complete software packages to meet customer needs.
- Assist test team in providing proof of stability and feature completeness.

Skill sets:

- Effective communication across teams and organizations
- Efficient time management and prioritization
- Technical document comprehension
- Software bug and performance analysis

Electrical Shop Intern – Transformer Shop, Otter Tail Power Company

May 2016 – August 2016      Wahpeton, ND

Responsibilities:

Inspect working transformers for flaws and identify those that need to put out of service or repaired and reissued to the field

Repair and maintain Pole mount and ground transformers

Understand applicable EPA regulation to properly dispose of environmentally hazardous materials in a safe way

Skill sets:

Mechanical aptitude

Observational skills

**Hobbies:**

Hardware PCB design (Upverter)

3d printing, laser engraving

Motorcycle repair/riding

Hiking and weightlifting