

# Tesfamichael Hagos

## System engineer

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## Professional Summary

I am a hardworking, motivated, and ambitious system engineer with a wide range of experiences. As a system engineer at Oceanvolt, I coordinated a project and followed it through ordering, purchasing, manufacturing, delivering, installing, certifying, servicing, and issuing the warranty stages. I am skilled in manufacturing, assembling, testing, installing, and commissioning electrical systems for sailing and motor boat.

In addition, I am familiar with most of the system administration CLI commands as my work involves flashing, configuring, and updating devices remotely.

## Experience

### September 2018 - June 2022

System engineer, Oceanvolt Oy., Vantaa, Finland

- Coordinates project for each Oceanvolt system (48 V electric propulsion systems for a boat) and
- Follow it through the order, purchasing, manufacturing, delivering, installing, certifying, and issuing the warranty stages.
- Testing Oceanvolt systems and ensuring the product's targeted quality is delivered

### August 2017 – October 2017

Research assistant, Aalto University., Espoo, Finland

- Polishing thesis works to a scientific paper for submission to ICRA journal. The job includes a literature review, testing my work for multiple experimental setups, and preparing the paper and demonstration video that shows the work using video editing software.

### September 2012 – August 2015

Assistant lecturer, Mekelle University., Mekelle, Ethiopia

- Giving a lecture to undergraduate students, preparing laboratory experiments, conducting a laboratory for undergraduate and postgraduate students, providing technical support to students in the

## Education

**Engineering, Helsinki, Finland**

2015 - 2017,

MSc. in Space robotics and automation

**Information technology, Torino, Italy**

2010 - 2012,

MSc. in Telecommunication Engineering

**Engineering, Mekelle, Tigray, Ethiopia**

2005 - 2009,

BSc. in Electrical Engineering

**Technology, Maichew, Tigray, Ethiopia,**

2001 - 2004,

Advanced diploma in Electrical

Technology

## KEY SKILLS

- ✓ MATLAB/SIMULINK,
- ✓ ROS/ROSCOS,
- ✓ AWR MICROWAVE OFFICE,
- ✓ ADF-EMS,
- ✓ VHDL,
- ✓ Radio planning
- ✓ PLC,
- ✓ C/C++, python.
- ✓ Installation commissioning and servicing of electric boats.
- ✓ Familiar with common tools used in a laboratory setting (Multimeter, Megger test, Motor winding,

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laboratory session, supervising students in their final year project, and participating in research activity and community service.

### **September 2005 – August 2010**

Technical assistant, Mekelle University., Mekelle, Ethiopia

- Maintained electrical and electronic laboratory equipment in the Department, conducted laboratory, giving technical support to students in the laboratory session.

### **Language skills**

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English - Advanced (C1)

Finnish - Beginner (A1)

Swedish - Beginner (A1)

### **Other knowledge, skills, and interests**

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Good communication skills with project team members, programming microcontrollers and building and making devices from available material with low cost.

### **References**

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[Available upon request.]

Oscilloscope, Power analyzer, Arduino)

- ✓ Victron devices configuration and installation
- ✓ Familiar with different kinds of battery technology