



Navitas Semiconductor

Job Description:

Title: Sr. Software Engineer

Reports to: Sr. Director, EV

In Office /Remote /Hybrid

Based: Shanghai

Job Purpose:

Navitas Semiconductor (Nasdaq: NVTS) is a high-growth, publicly traded technology company seeking a Sr. Software Engineer. The ideal candidate will be self-motivated, energetic, tech-savvy, collaborative, and understands the dynamics of a fast-growing company.

Key Responsibilities and Duties:

- Embedded software development of digital power supply
- Establishment of control model, control strategy design, software architecture design and implementation
- Responsible for debugging and algorithm optimization on digital power supply with electrical engineers
- Preparation of relevant software design documents, including SRD, SAD, SDD, etc.
- Perform customer requirement test and provide issue solutions/suggestions

Requirements:

- MS/PhD in power electronics, automation or equivalent
- More than 2 years working experience on switching power digital control
- Experience on software development based on TI C2000, ST or Microchip MCU platform
- Good knowledge on power supply, especially high frequency switching power supplies, such as Totem pole PFC, LLC, PSFB
- Good skills on digital control simulation with MATLAB
- Able to provide technical solutions to customer and cooperate with customer to develop new products
- Have good logical thinking, strong communication skills, and excellent team spirit to complete tasks



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