



## Navitas Semiconductor

### Job Description:

**Title:** Staff/Sr. Staff/Principal System Engineer

Reports to: VP, China IC Design

In Office /Remote /Hybrid

Based: Shanghai/Hangzhou/Shenzhen

### Job Purpose:

Navitas Semiconductor (Nasdaq: NVTS) is a high-growth, publicly traded technology company seeking a Staff/Sr. Staff/Principal System 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:

- Capture requirements for the new power IC from customers and markets.
- Lead technical feasibility study, validate new topology and product ideas by using simulation tools and prototyping methodology
- Develop and define power IC specifications based on customer and market-driven requirements, draft datasheet.
- Cooperate with and provide support to the IC design team to ensure the IC implementation meets system requirements
- Participate actively in design verification testing and characterization of first sample ICs in the lab
- Provide support to the AE team to facilitate acceptance and design-in of Power Integrations IC products
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### Requirements:

- Master/Ph.D degree in electronics or electrical engineering
- 5+ years hands-on experience in specifying and developing power ICs.
- Deep understanding in Flyback/AFC/AHB/LLC etc. power supply and their controller topologies
- Familiar with charging protocols.
- Proficiency with software tools such as Matlab simulink, Mathcad, Simplis/Simatrix, Labview
- Deep understating of cost/performance trade-offs in power IC design
- Hands on bench test skills and lab equipment operations
- IC implementation experience or GaN IC experience is a plus



**职位介绍:**

职位: 主任/高级主任/首席/系统工程师

汇报线: 中国芯片设计副总裁

In Office /Remote /Hybrid

地点: 上海/杭州/深圳

**岗位职责:**

- 调查收集市场和客户的新产品需求并通过原型仿真等方式进行可行性研究
- 定义功率芯片的详细技术指标并且撰写 datasheet
- 与 IC 设计团队协作确认 IC 设计符合系统需求
- 参与新产品的 Bench 功能验证
- 与 AE 团队合作协调新产品的应用推广

**任职要求:**

- 硕士及以上电力电子或者微电子相关学历, 5 年以上功率 IC 的产品定义经验
- 熟练掌握 Flyback/ACF/AHB/LLC 等常见电源系统的拓扑以及相关控制器结构
- 熟练掌握 Matlab, Mathcad, Simplis/Simatrix, Labview 等各类软件使用
- 深刻理解电源芯片设计中性能和成本的平衡选择
- 了解 Lab 的 bench 测试, 各种 bench 测试设备仪器的使用
- 熟悉各类充电协议
- 有芯片设计背景或者 GaN 背景更佳
- 具备英语沟通能力, 要求读写流利以及一定的听说能力
- 沟通能力较强, 有团队合作精神



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