ROBERT SMITH

Senior Electrical Engineer

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SUMMARY

Specialized experience spanning multi years as Electrical Engineer. The industries cover refineries, chemical plants and manufacturing plants. Managed projects design through construction stages.

CORE COMPETENCIES

Microsoft Certified Professional, Number 1638047.

PROFESSIONAL EXPERIENCE

Senior Electrical Engineer

ABC Corporation - November 2013 – November 2016

Key Deliverables:

- Lead electrical engineer for innovative, next-generation fitness equipment, including treadmills, ellipticals, and integrated televisions.
- Oversee the full electrical system lifecycle from initial design concept, to specification development and design, to prototypes and testing, to volume production and sustaining.
- Collaborate regularly as the primary electrical representative on an interdisciplinary team of mechanical, production, and software engineers to provide on time, on budget, well tested designs for consumer consumption.
- Conduct and coordinate subsystem tests including environmental testing, HALT, component lifespan estimation, ESD, EMI, EMC, and regulatory compliance to ensure volume production-worthy designs.
- Communicate weekly with oversea suppliers to confirm that design requirements and tradeoffs are bi-directionally understood and that adjustments are made in a timely manner.
- Create and review ECNs and Deviations in Agile for new product releases and production lifecycle management.
- Write firmware for integrated FM receivers in C.

SENIOR ELECTRICAL ENGINEER

ABC Corporation - 2012 – 2013

Key Deliverables:

- Create electrical designs for high power electronics including DC / DC converters, linear regulators, transformers and rectifiers.
- Schematic creation, PCB layout, bench evaluation, debugging, simulating and parts list creation.
- Failure mode analysis, component de-rating, lab evaluation, technical hardware documentation, and design for manufacturing.
- Circuit development software includes Altium, PSpice and Mathcad.
- Responsible for schematic capture and PCB layout or layout assist.
- Create bench test plans and direct lab technicians with EMC testing.