

Michael Parrotta

Sr. Engineer, Technology Support - Bloom Energy

Bala-Cynwyd, PA - Email me on Indeed: indeed.com/r/Michael-Parrotta/7c62b40e8183c735

To secure a stable career, close to home, as a Sr. Electrical Engineer with an established company with a good working environment.

WORK EXPERIENCE

Sr. Engineer, Technology Support

Bloom Energy - Sunnyvale, CA - March 2013 to Present

Responsibilities

SOFC (Solid Oxide Fuel Cell) equipment to include water systems, fuel systems, electrical/electronic systems, and fuel cell stacks. Managing all Start-up/commissioning, PMs and emergency service on all Bloom supplied third party equipment. Working closely with customers, technical support and engineering to resolve problems requiring escalation. Analyzing and Identifying root cause of system inefficiencies or failures and driving corrective action. Daily monitoring of Bloom Energy systems. Reporting of key operational metrics to primary control room in Sunnyvale Headquarters. Maintaining test equipment, calibration certification, safety equipment and other job related materials. Assisting in pre-sales activity to complete complex site surveys helping to create installation design plans. Assisting in system inspections.

Sr. Electrical Engineer

Gamesa Wind U.S. - Fairless Hills, PA - March 2010 to December 2012

• Gamesa Wind U.S., Fairless Hills, PA, Sr. Field Engineer, Electrical; Technology Dept: 3/10-12/12

Monitoring and reporting on power quality for 2 MW G8X, G9X Gamesa Wind Turbine Generators at various North American utility owned wind farms. Took part in Forensic Investigation and Root Cause Analysis of various motor, electrical systems failures in the field. Reporting on power performance of ABB transformer, power converter, generator and slip ring. Analyzing SCADA and Data Acquisition System data from various electrical or mechanical monitoring campaigns. Custom design and installation of live on-site Data Acquisition hardware and software configurations of various WTG PLC sensor inputs. Follow-up and technical analysis of electro-mechanical vendor part replacements in the U.S. Electrical inspections of wind turbines at sites for performance issues as required. Assisted wind farm site supervisors on project sites for any technical issues in the process of Operation and Maintenance or Commissioning.

Electrical Engineer

Network Systems Engineering Corporation - Mount Laurel, NJ - August 2009 to March 2010

Designing fiber optic routing, power and mechanical control wiring for FIR, PTZ and Stationary video surveillance cameras for two nuclear power station projects in the US.

Electrical Engineer

GBS Group - Philadelphia, PA - November 2008 to July 2009

Supporting data acquisition, system design, and control systems installation for the U.S. Navy (new Navy ships are fully stress-tested and monitored using electronic sensors in field test scenarios.)

Quality Assurance Team Lead

Teksystems - Plymouth Meeting, PA - May 2008 to November 2008

Independently managing a GE CCTV and SymSeries/Legacy video recording surveillance hardware engineering group. Leading team of 2 quality assurance engineers and reported findings to GE security program management.

Hardware Test Engineer

DRS Power and Control Systems - Danbury, CT - March 2007 to March 2008

Creating, testing and debugging the digital logic of Functional Interconnection Diagrams using a LabVIEW test station. Writing status reports and procedural documentation. (Lungman Nuclear Power Plant, Yenliao, Taiwan.)

Civil Engineer- Telecoms

Dewberry-Goodkind Inc - Mount Laurel, NJ - January 2007 to February 2007

Designing cell sites and zoning approval of telecommunications sites, including: design of grading, site access, site improvements, and utilities. Visiting sites, preparing site plans, zoning analysis,

Construction Coordinator

Bechtel Telecoms - Hackensack, NJ - April 2004 to December 2006

AT&T Wireless/Cingular NYC, Providing Contractor field planning, coordination and oversight in support of the Cingular NYC E-911 Project. Managing the schedule and progress database. Monitoring work progress for new 3G construction of assigned cell site build out. Coordinating communications and action requirements with general contractors, and suppliers.

'Big Dig' Field Test Engineer

Honeywell - South Boston, MA - January 2003 to April 2004

Supporting start-up/installation of hardware needed for field/intermediate testing, software and systems engineering of Ted Williams Tunnel for the Massachusetts Turnpike Authority.

RF Diagnostics Engineer

Motorola - March 2001 to November 2002

Testing component and system level - Embedded Firmware Testing for Cable Modem Networking and Multiplexing Hardware (MIPS processors).

Software/Hardware Test Engineer

TruePosition Inc - King of Prussia, PA - April 1999 to February 2001

Defining and executing test plans for large, complex systems involving real-time E-911 embedded software, databases and APIs.

EDUCATION

BS in Electrical Engineering

Temple University - Philadelphia, PA
2007

BS in Computer Science

University of Pittsburgh - Pittsburgh, PA
2000

ADDITIONAL INFORMATION

Qualifications:

B.S. in Electrical Engineering, F.E., 14 years of professional experience. most as an independent contractor, MSEE in Power Systems expected in January 2016, EE P.E. (PA) (expected)

Skills:

RF/Telecommunications Engineering, Scripting, Programming Languages: C/C++, Visual Basic, AutoCAD, Matlab, LabVIEW, Residential and Industrial Electrical Wiring and Power Distribution, Load Calculations, Short Circuit Analysis, General Electrical Technician and Construction Work

Volunteer:

Professional Member, Engineers Without Borders - Mid-Atlantic Professionals Philippines Water Sanitation/ Deep Well design and fundraising project team (09-) Habitat for Humanity of Montgomery County (03-) Hobbies: Play Guitar, Soccer, Reading.