

JAIMEER PATEL, PE

System Protection & Studies Project Engineer

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CAREER SUMMARY

Senior Protection & Controls Engineer with 11+ years of progressive experience in power delivery engineering, complemented by a strong technical foundation in high-voltage equipment testing and calibration from 13.2kV to 400kV AIS & GIS power delivery substation projects. Recognized for leading complex system protection, control, and communication engineering efforts across transmission, substation, and renewable integration projects. Expertise spans advanced relay protection and communication scheme design, transmission system protection, relay coordination, NERC compliance analysis, and development of IEC 61850 network architectures, logic diagrams, and substation automation schemes. Demonstrated leadership on high-impact projects including offshore wind initiatives (South Fork Wind, Revolution Wind), critical Data Center OE reviews, and both conventional and IEC 61850-governed substation P&C design programs. Adept at driving technical quality, mentoring engineers, coordinating multidisciplinary teams, and delivering solutions that enhance grid reliability, resiliency, and regulatory compliance. Holds an M.S. in Electrical Engineering and is a licensed Professional Engineer with work authorization I-140 approved.

EXPERTISE

IEC 61850 | System Protection & Coordination Studies| ASPEN Oneliner | CAPE | Offshore Wind | AI/ML technology | Power Delivery - Substation | Project management | Change management | IEEE & IEC Standards

TECHNICAL SKILLS

SCADA/HMI Automation | Relay Settings | Construction Support | Protection & Control Engineering | IEC 61850-9-1 GOOSE Configuration| SEL, GE, ABB & Hitachi Relays | CIP Trained | Communication

PROFESSIONAL EXPERIENCE

SYSTEM PROTECTION & STUDIES PROJECT ENGINEER | HDR Michigan Inc. | Ann Arbor, MI April 2018 – present

- Led onshore substation Protection & Controls engineering for the South Fork Wind project, serving as the technical authority for relay protection, control schemes, and IEC 61850 GOOSE-based communication architecture.
- Built and maintained strong working relationships with cross-functional stakeholders across utilities, developers, OEMs, and internal engineering teams for both South Fork Wind and Revolution Wind.
- Directed development of key P&C engineering deliverables.
- Supervised protection and communication scheme designs for multitude of client projects.
- Executed project management responsibilities including scope planning, resource allocation, engineering team coordination, and fostering a collaborative, high-performance team environment.
- Managed change orders and aggressive scope adjustments.

P&C FIELD SERVICE ENGINEER | National Field Services. | San Marcos, TX July 2017 – March 2018

- Executed comprehensive electrical testing and led projects end-to-end as a NETA-accredited engineer.
- Performed diagnostic testing, analyzed test data, and prepared detailed technical reports.

ASSISTANT ENGINEER | Electrical Research & Development Association | Vadodara, INDIA July 2013 – Jul 2015

- Planned and Organized at LAB and SITE testing as well as Calibration activities.
- Systematized and administered all NABL (National Accreditation Board of Testing and Calibration Laboratories) documents.

EDUCATION

MASTER'S DEGREE | Electrical Engineering | Michigan Technological University 2016 – 2017
BACHELOR'S DEGREE | Electrical Engineering | Gujarat Technological University 2009 – 2013

INTERESTS

