

AKHILA CHARLAPALLY

Associate Manager | Power Systems | SCADA | EMS

Manama, Kingdom of Bahrain

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SUMMARY

- Dedicated, passionate, assimilative technical leader with over 6 years of experience in the field of Power Systems, Transmission Network Analysis Applications, and Grid Operations.
- Established reputation for ensuring delivery of high-quality SCADA AEMS systems and customer satisfaction.
- Adept at cutting edge operating technology (OT) software, concepts and ideas, versatile and reliable individual, teammate, and leader with effective communication skills.

KEY SKILLS

- **Software:** OSI monarch, PSS/E, MATLAB, Simulink, PowerWorld Simulator, CIM XML
- **Programming basics:** C, C++, Python, JAVA/J2EE, HTML, PL/SQL
- **Applications:** Microsoft Office, JIRA, Command Prompt
- Technical leadership
- Project Planning & Delivery (Agile and Waterfall methodologies)
- Customer Relations
- Technical Documentation
- Analytical Thinking

WORK EXPERIENCE

Associate Manager, Power Systems Engineering Open Systems International Inc., USA

Aug 2021 – Jan 2023

- Mentored and supervised team of three power systems engineers, set expectations, priorities and project assignments for everyone.
- Technical Project Owner (TPO) and the lead of the EMS track in a mega grid modernization project in the Quebec region with a team of 200+ through all the levels of an organization.
- EMS systems Quality Inspection and Control for reliable and resilient network transmission grid.
- Orchestrated contract strategy sessions and technical solution negotiations with the clients and saved several hours of software development work and thereby cutting project costs.
- Proven technical project planning expertise for multi-year (1-7 yrs.) projects in both agile and waterfall methodologies.

Power Systems Engineer Open Systems International Inc., USA

Nov 2017 – Jul 2021

- Collaborated with team of 5 to up to team of 20 to design, integrate, test, and commission advanced SCADA and EMS systems for leading electrical utilities in the Americas.
- Lead Customer training and application support for OSI's transmission applications offsite and onsite.
- Power systems modeling experience in both traditional and IEC CIM platforms.
- Tested and commissioned a multi-site advanced EMS systems merging mid-Atlantic region's 5 leading energy providers' legacy systems into one.
- Created digital wallboard displays and complex situational awareness solutions for electric utilities.
- Developed, integrated and commissioned several Operator Training Simulator (OTS) systems for client's network grid by creating training scenarios for operators and engineers such as unit start-up and shut-down, change of load or product and critical process situations (blackout, black-start restoration etc.)
- Converted several Power Systems database from client's legacy system and integrated into OSI software.

**Systems Engineer
Infosys Ltd., India**

Aug 2014 – Dec 2015

- Addressed and resolved client's issues and later managed the responsibilities of entire level one support.
- Consistent team player among the maintenance support and testing team of Client's Tele-Network Application
- Volunteered at fundraising events and community service programs.

**Electrical Engineering Intern
Telangana State Power Generation Corporation Ltd., India**

May 2013 – Sep 2013

- Engineered integrated generator protection in a 900MW Hydro Power Station and conducted periodic maintenance and reliability studies on generator.
- Executed testing in relay division and audited operation, preventative maintenance, and protection of power plant's equipment.

MSEE THESIS

Mitigation of Remanence flux in Power Transformers using predetermined method of de-energization

Successfully determined a way in which transformer must be de-energized to reduce/eliminate remanence flux.

EDUCATION

Master of Science in Electrical Engineering
University of Missouri - Kansas City, USA

Jan 2016 – Aug 2017

Honors: Received a Full Dean's International Scholarship award (DISA)

Bachelor of Engineering in Electrical & Electronics Engineering
University College of Engineering, Osmania University, India

Oct 2010 – Jun 2014

Honors: Awarded with a Ministry of Human Resource Development Scholarship and a Merit Scholarship from Singareni Collieries Company Ltd.

ACCOMPLISHMENTS

- Quickly rose to the role of technical supervisor, mentoring other engineers.
- Won 2 SPOT awards nominated by colleagues for going above and beyond the job responsibilities.
- Complimented for being among the top 5-10% performers at the company every year.
- Led the Chief Executive Committee of Techsonance-2013 and Techsonance-2014; a national level technical symposium held in Electrical Engineering Department, Osmania University, and organized paper/poster presentation events, hosted the cultural night, housed technical & non-technical game booths.
- Certificate of excellence in elocution, debate competitions and paper & poster presentations at various places.
- Stood among top 0.008% scorers in EAMCET for Engineering; a state level entrance test for Engineering during 2010 which earned me two scholarship awards.