



BRIJENDRA RAWAT

Age: 49 Years | Experience: 26 Years

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26 years of work experience in various leadership roles in Project Management, System Design and Architecture of complex federated Cyber Systems. Good functional understanding of Requirement Analysis, Design Elaboration, Formulation of Project Implementation Plans, Execution, Validation, Acceptance and Lifecycle support. Experience in carrying out Simulation studies, Algorithm design, Validation and Testing. Conducted and led various live projects applying advanced Machine Learning, Data Analytics, and Visualisation techniques to drive data-driven insights and solutions. Proficient in Python, C++, RTC, SVN, MATLAB and DDS middleware technology.

DESIGN & DEVELOPMENT

- Led design, development and implementation of Combat Management Systems, leveraging expertise in Product Line Systems Engineering approach to deliver mission-critical solutions for the Indian Navy.
- Led initiatives in formulation of Machine Learning algorithms for developing advanced decision support tools, to enhance situational awareness, improve threat evaluation and planning tools to optimise mission outcomes.
- Led the design and implementation of innovative Human System Integration solutions, utilizing rapid prototyping techniques to optimize ergonomics, performance, and elevate the overall user experience.
- Steered development of Real Time complex and federated systems development with layered architecture, utilizing DDS middle ware standard for data centric publish-subscribe communication model.
- Designed and developed state-of-the-art combat system simulator for submarines, to provide realistic training environments for operators and improve the effectiveness of Command team in achieving of mission objectives.
- Experienced in setting up development and cross functional teams for agile methodologies and promoted adoption of DevOps culture for project development.
- Proficient in data analysis, adept at employing cutting-edge techniques and tools to extract actionable insights, empowering informed decision-making processes.

PROJECT MANAGEMENT & LEADERSHIP ROLES

- Skilled in contract formulation and negotiations, Technical management experience of more than 10 years in spearheading maintenance & repairs, standards & policy formulation for induction, lifecycle management including modernization, and disposal strategies for electrical & weapon systems.
- Staff analysis and implementation of mitigation measures for effective deployment of technical resources and erection of repair facility for critical electrical equipment onboard ships and submarines.
- Directed operations, maintenance, and repair of complex electrical systems, ensuring maximum readiness and availability of critical equipment in high-pressure environments.
- Concluded approximately 50+ repair contracts, Annual Maintenance Contracts (AMC) and Rate Contracts (RC) worth \$15 M through Indian and foreign shipyards & OEMs
- Steered indigenous development activity and induction of critical Navigation Aids for both ships and submarines through DRDO, DPSUs and MSMEs



EDUCATION

- Bachelor of Technology, Electrical Engineering (Jawaharlal Nehru University, New Delhi) 1992 -1996
- Master of Engineering, Electronics and Telecommunications (Pune University, Pune) 2003 -2005
- PGDM, Technical Management (Jamnalal Institute of Management Studies, Mumbai) 2009 -2009
- PG, AI/ML (University of Texas, Austin)
- Master of Data Science(Global), AI/ML (Deakin University, Online Mode-Pursuing)



CERTIFICATION

- Global Supply Chain and Logistics Management, IIFT, New Delhi
- Advanced Short Course on Passive Underwater Surveillance, CAIR, IIT Delhi



ACHIEVEMENTS

- Flag Officer C-in-C Commendation-Devotion to Duty
- Chief of Naval Staff Commendation-Bravery
- DG Coast Guard Commendation-Bravery
- Sir JC Bose Award - 1st in Order of Merit-ME
- CNS Trophy - First in ANWSEC 22
- Sword of Damascus- Best Cadet NEC-8



KEY SKILLS

- System Design and Architecture
- Project Management
- Strategic Planning
- Contract Formulation and Negotiations
- Technical Management
- Leadership Roles
- Team Management
- AI/ML Enthusiast