

Phalguni Chaudhuri

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Professional Summary

Strategic IT Infrastructure Leader with over 18 years of experience managing large-scale IT environments, delivering digital transformation, and driving operational excellence in the hydropower and education sectors. Expert in implementing cost-saving solutions, optimizing network security, and aligning technology with business objectives. Proven track record of leading high-performing teams, managing vendor relationships, and delivering complex projects on time and within budget. Adept at leveraging cloud solutions, automating processes, and ensuring compliance with industry regulations.

Core Competencies

- **IT Strategy & Leadership:** IT Roadmap Development, Policy Implementation, Cross-functional Team Leadership
 - **Infrastructure Management:** Network Design (Pfsense, FreeNAS), Cloud (AWS, EC2), IT Operations
 - **Automation & Digital Transformation:** SCADA, PLC (Siemens), Modbus, IEC 61850
 - **Security & Compliance:** ISO 27001/ISO 27002/ISO 270019, CEA Cyber Security Guidelines 2021, Cybersecurity Protocols, Disaster Recovery.
 - **Cost Optimization & Vendor Management:** Budget Management, Process Automation, Vendor Negotiation
 - **System Administration:** G Suite, Linux, Windows, ERP Systems, Cloud-Based Management
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Professional Experience

Assistant General Manager- IT Infrastructure

Madhya Bharat Power Corporation Ltd. | Nov 2020 – Present

- Improved operational efficiency by 30% through the migration of the excitation system to PLC-based logic, enabling real-time monitoring and faster decision-making.
- Achieved a 90% cost reduction by migrating from licensed software to open-source platforms, saving over ₹10 lakhs upfront and ₹5 lakhs annually, while maintaining compliance.

- Designed and implemented a secure network infrastructure using PfSense firewalls, optimizing bandwidth usage and providing load balancing and content filtering.
- Led the deployment of OPGW cable technology, enabling real-time data transmission to ERLDC, improving grid stability and compliance with regulatory standards.
- Established a robust data backup and disaster recovery system using FreeNAS, securing mission-critical data across multiple sites.
- Managed a cross-functional IT team, vendor relationships, and a multi-crore IT budget, ensuring strategic alignment with company goals and regulatory frameworks.

Deputy Manager - IT Infrastructure

ITM Group of Institutions | Dec 2005 – Sep 2020

- Set up the IT infrastructure for 10+ institutions (user range: 300 to 1500), including ITM Vocational University in Vadodara, where I managed an IT infrastructure (supporting approximately 1500 users), ensuring seamless network functionality and uptime.
- Played a key role as a System Administrator in the adoption of AWS cloud services, ensuring secure and scalable IT operations for academic and administrative functions.
- Reduced network security incidents by 50% through proactive implementation of cybersecurity protocols, including VPNs, firewalls, and continuous monitoring systems.
- Administered G Suite for over 1000 users, streamlining organizational processes and improving system efficiency by 25%.
- Led the maintenance and technical support team for ERP systems, managing user roles and permissions, providing user training, overseeing system upgrades, and ensuring smooth integration across departments while addressing technical issues to minimize downtime.

Education

- B.Tech in Computer Science and Engineering | Bankura Unnayani Institute of Engineering | 2005
- MBA in Information Systems (Distance Learning) | Sikkim Manipal University | 2013
- Post Graduate Program in AI ML | Great Learning | 2024

Certifications

- Ladder Logic Programming (Udemy) | 2020
 - G Suite Administration (Coursera) | 2020
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