

# ABHISHEK DEHARIYA

## Full-Stack Developer | Solar & Renewable Energy Domain Expert

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### PROFESSIONAL SUMMARY

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Full-Stack Developer with 8+ years in solar & renewable energy operations (29 MW ground-mount + 30 MW rooftop) and 1.5 years building production web applications. Unique ability to translate O&M engineer pain points into real software solutions — from plant monitoring dashboards to asset management platforms. Targeting ClimateTech / SolarTech roles where domain expertise and engineering skills compound.

### TECHNICAL SKILLS

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**Frontend:** React.js, Next.js, TypeScript, JavaScript, Vue.js, HTML5, CSS3, Tailwind CSS, Redux

**Backend:** Node.js, .NET, REST APIs, SQL, PostgreSQL

**Cloud & DevOps:** AWS, Azure DevOps, Git, GitHub, Linux

**Solar Domain:** SCADA Systems, O&M, Asset Management, Plant Performance Monitoring, DISCOM Tariff Analysis, Ground-Mount & Rooftop Solar

### PROFESSIONAL EXPERIENCE

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#### Software Developer I | Terragi PropTech Pvt. Ltd.

Sep 2024 – Present • Gurugram, Haryana

- Built **B2B Real Estate Inventory Platform** using React.js + Next.js, enabling brokers to manage 1000+ property listings with real-time filtering and search
- Developed reusable component library in TypeScript, reducing development time by ~30% across the team
- Integrated AWS services for file storage and deployment pipelines; maintained CI/CD via Azure DevOps
- Collaborated with product and design teams to ship 3 major feature releases in 9 months

#### Frontend Developer Trainee | Primathon Technology Ventures

Aug 2023 – Aug 2024 • Gurugram, Haryana

- Transitioned from 8-year solar career into software development; completed React.js + Next.js training in production environment
- Built and maintained web applications using HTML, CSS, JavaScript, and React.js; participated in code reviews and agile sprints

#### Asset Management Engineer | Fourth Partner Energy

Oct 2020 – Nov 2023 • Indore, Madhya Pradesh

- Managed asset performance of **30 MW solar portfolio** (rooftop + ground-mount) across multiple client sites in MP and Rajasthan
- Built client-facing MIS reports and dashboards; primary technical point of contact for 15+ enterprise clients
- Reduced O&M response time by coordinating vendor SLAs and implementing preventive maintenance schedules
- Monitored SCADA data daily — identified PR curve deviations, inverter faults, and string-level underperformance

#### O&M Engineer | Amplus Solar (Nasdaq: ENPH subsidiary)

Dec 2019 – Sep 2020 • Gandhinagar, Gujarat

- Operated and maintained rooftop solar plants ensuring optimal uptime and performance
- Conducted asset inspections, managed inventory, and implemented maintenance protocols

#### Solar O&M Engineer | Ujaas Energy Limited

Jul 2016 – Dec 2019 • New Delhi

- Operated **29 MW ground-mount solar plant** — one of MP's largest at the time

- Managed full O&M lifecycle: preventive maintenance, fault diagnosis, inverter servicing, and performance reporting
- Maintained 98%+ plant availability over 3.5-year tenure through systematic maintenance protocols

## KEY PROJECTS

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### **B2B Real Estate Inventory Platform** — Terragi PropTech

- Next.js + React.js platform for real estate brokerage firms; property inventory management, lead tracking, broker dashboard
- Stack: React.js, Next.js, TypeScript, Tailwind CSS, AWS, PostgreSQL

### **Solar Plant Monitoring Dashboard** — Portfolio Project

- Real-time plant health monitoring dashboard with PR curve tracking, inverter alerts, and generation vs. forecast visualization
- Built from O&M engineer's perspective — displays exact KPIs that field engineers need daily
- Stack: Next.js, React.js, TypeScript, Recharts, Node.js, PostgreSQL | Live: abhishekdehariya.com

## EDUCATION

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### **B.Tech — Electronics & Telecommunication Engineering**

RGPV University (University Institute of Technology), Bhopal • 2021 • CGPA: 8.4/10

## WHAT MAKES THIS PROFILE UNIQUE

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- I have been an O&M engineer — I know what SenseHawk, OnGrid, and Detect Technologies' end users actually need
- I can sit in a product meeting and immediately translate solar domain problems into technical requirements
- 29 MW + 30 MW = 59 MW of real solar operations experience — not textbook knowledge