

## Akhilesh Kumar Singh

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📍 Brisbane, QLD, Australia

🛂 Visa: Subclass 482 – Valid until Feb 2026

## Career Objective

Seasoned Electrical Engineer with 14+ years of global experience across Intelligent Transportation Systems (ITS), Green Mobility, EV Charging Infrastructure, and Traffic Management. Proven expertise in quality leadership, field services, system testing, and innovation. Actively seeking mid-to-senior roles with sponsorship opportunities in tolling systems, EV charging, or smart mobility technology.

## Core Competencies

- Intelligent Transport Systems (ITS)
- EV DC Fast Charger Systems
- Tolling & Traffic Management Systems
- Preventive & Corrective Maintenance
- Linux / Windows / Microsoft SQL / Azure / AWS
- Cybersecurity Tools: Wireshark, Metasploit, Kali Linux
- Quality Control (ISO Standards, LPA, Root Cause Analysis)
- ERP, Maximo, JIRA, VMware, LibreNMS, Grafana
- Team Leadership & Vendor Management
- Stakeholder Collaboration & Technical Documentation

## Professional Experience

### Maintenance Specialist

#### Kapsch TrafficCom Australia Pty Ltd | Brisbane, QLD

*Jan 2024 – Present*

- Provided end-to-end maintenance and technical support for Multi-lane Free-flow Tolling (MLFT) Systems across Queensland.
- Collaborated with traffic management centers: DYNAC, EcoTrafIX, CMCC, and TDMS.
- Managed integration of V2X systems (C-ITS), LIDAR, RADAR, and DSRC-based roadside equipment.
- Conducted pre-tunnel closure meetings, issued SWMS, and ensured WHS compliance.
- Oversaw hardware/software troubleshooting on Linux-based systems and managed cloud/on-prem deployments via Azure & AWS.

## **Technical Support Engineer – EV Charging**

**Tritium Pty Ltd | Brisbane, QLD**

*Aug 2023 – Present*

- Supported EV fast charger systems (50kW–175kW) for clients globally through phone/remote support.
- Performed software updates, diagnostics, and fault resolution using Protium, Veefil, and other tools.
- Enhanced field quality KPIs by contributing to process improvement and customer training.
- Authored technical documents and managed escalations for internal repairs and engineering.

## **Production Planning & Control Lead**

**Sterling Products Pvt Ltd | Brisbane, QLD**

*Jul 2023 – Aug 2023*

- Improved production KPIs through strategic planning and cross-functional collaboration.
- Conducted root cause analyses (5WHYs, Fishbone) for unplanned downtime and yield issues.

## **Quality Inspector – EV Chargers**

**Tritium Pty Ltd | Brisbane, QLD**

*Dec 2021 – Jul 2023*

- Led QC checks for rectifiers, sensors, PCBs, and final charger systems post-FA.
- Spearheaded the CS3 Quality Work Package, slashing field complaints by 80%.
- Introduced Layered Process Audits for EV assembly and component testing.

## **EOL Test Technician – EV Chargers**

**Tritium Pty Ltd | Brisbane, QLD**

*Sep 2021 – Dec 2021*

- Developed next-gen EV charger tech with ISO 15118 Plug & Charge and IP65 ratings.
- Executed electrical safety tests and programmed intuitive HMI interfaces.

## **Co-Founder & Operations Manager**

**Mercado Startup | Pune, India**

*Oct 2020 – Sep 2021*

- Led a tech-enabled marketplace startup covering logistics, procurement, and sales.
- Deployed ERP solutions and streamlined vendor operations.

## **Director – Food & Beverages Startup**

### **GOMA Foods Pvt Ltd | Pune, India**

*Dec 2017 – Oct 2020*

- Launched successful dairy and F&B products in Mumbai and Pune.
- Closed major supply deals with Sodexo, Tata, Infosys, and Mahindra.

## **Sr. Electrical Engineer – Construction (High-rise Projects)**

### **EMAAR MGF & Dainik Bhaskar Group | Gurgaon & Indore, India**

*2016 – 2017*

- Managed electrification, HVAC, and fire system planning for large-scale real estate projects.
- Operated and maintained 33/11 KV substations and electrical panels.

## **Electrical Executive Engineer**

### **Sahara Prime City | Indore, Jaipur, Lucknow, Delhi India**

*Feb 2012 – Apr 2016*

- Oversaw township electrification, transformer installations, and safety compliance.
- Coordinated with government utilities for 11KV line restructuring.

## **Education**

- **Executive MBA in Finance** – IIM Calcutta, 2015
- **B.Tech in Electrical Engineering** – UPTU, India, 2012

## **Certifications & Tools**

- Lean Six Sigma
- Cybersecurity Fundamentals
- Wireshark | Kali Linux | Metasploit
- LibreNMS | Grafana | Splunk | Azure | AWS
- Maximo | Jira | ERP | Microsoft Suite

## **Personal Details**

- Nationality: Indian
- Visa: TSS 482 (valid until Feb 2026)
- Languages: English, Hindi
- DOB: 11-Mar-1990

- Passport No.: X7614621