

Anuj Kumar Singh

Software Engineer | 8383818200 | anujkumarsingh1310@gmail.com | [LinkedIn](#)

Profile

- Software Engineer with **3 years and 9 months** of experience in building fast, scalable, and high-performance applications using **JavaScript, Node JS and C++**.
- Experienced in software development, testing, and maintenance, focused on delivering high-quality results and successful projects.
- Looking for a role where I can use my skills to create reliable software while learning and growing in my career.

Employment History

Software Engineer at Synergy Systems and Solutions, Faridabad

July 2021—Present

- Developed and maintained software using **JavaScript, Node.js, Node-RED, and C++**.
- Integrated **MQTT** for real-time **C++ to Node.js** data transfer, replacing **OPC UA** and using **better-sqlite3** for efficient data storage.
- Optimized **Tabulator.js** for MMI data visualization, adding **pagination and scroll mode**.
- Upgraded a **C++ OPC UA project** from **VS 2008 (32-bit)** to **VS 2022 (64-bit)** for performance and compatibility.
- Designed and maintained **MMI features for Metro projects** (Agra & Delhi), improving usability and efficiency.
- Developed an **SMS Sending Portal** for the **RTDAS Haryana project** to enhance communication.
- Contributed to **SSSPED**, an in-house tool for **SVG-based graphical MMI representations** with real-time data linking.
- Awarded "**Extraordinary Employee of the Year**" for outstanding contributions.

Education

- **Master of Computer Applications (MCA)** – IGNOU | **2022**
- **B.Sc. in Computer Science** – Maharishi Dayanand University | **2018**

Skills

- **Programming:** JavaScript, Node.js, Vue.js, C++
- **Tools & Platforms:** Jira, Bitbucket, Confluence, Git, MQTT
- **Database:** better-sqlite3

Projects

- **SMS Sending Portal (RTDAS Haryana)** – Developed an **SMS alert system** to improve communication.
- **Metro Projects (Agra & Delhi)** – Enhanced MMI functionalities for better system performance.
- **OPC UA to MQTT Migration** – Replaced **OPC UA** with **MQTT**, enabling real-time **C++ to Node.js** data transfer and optimized storage with **better-sqlite3**.
- **Tabulator.js Implementation** – Customized **Tabulator.js** for MMI with user-configurable pagination and scroll mode.
- **SSSPED Development** – Created **SVG-based MMI** representations for real-time data visualization.
- **OPC UA Upgrade** – Migrated a **C++ OPC UA project** from **VS 2008 (32-bit)** to **VS 2022 (64-bit)** for improved compatibility and performance.