# SINKU KUMAR

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## SR. AUTOMATION ENGINNER – GRAPHX SOLUTIONS INDIA PVT. LTD.

## EDUCATION

DBIT - Bengaluru
**2015-19**
C.S.E – Dropout

## DATA SKILLS

| Skill | Rating |
|---|---|
| Automation | ★★★★☆ |
| Python | ★★★★☆ |
| Django | ★★★★☆ |
| ETL | ★★★★☆ |
| Selenium | ★★★★☆ |
| O-Auth & IDP | ★★★★☆ |
| MS PowerPoint | ★★★★☆ |
| MS SQL | ★★★☆☆ |
| Pandas | ★★★☆☆ |
| Playwright | ★★★☆☆ |
| LLM Integration | ★★★☆☆ |
| HTML | ★★★★☆ |
| CSS | ★★★☆☆ |
| JavaScript | ★★☆☆☆ |
| Polars | ★★☆☆☆ |
| React | ★★☆☆☆ |
| Git & GitHub | ★★☆☆☆ |
| Ubuntu Server | ★★☆☆☆ |
| Power BI | ★☆☆☆☆ |

## ACHIEVEMENTS

- Employee of the month.
- Automation ACE - 2025 (Employee of the year)

## PROFILE

Automation engineering professional with 2 years 9 months of experience delivering ETL, and data-driven solutions across telecommunications and healthcare domains. Strong expertise in Python-based automation, browser automation frameworks, ETL optimization, authentication systems (OAuth/JWT), and LLM integrations. Proven track record of technical leadership, cost optimization through Linux-based infrastructure, and mentoring.

## EXPERIENCE

**NOVEMBER 2025 – PRESENT** Quality Lead (Probation) – Graphx Solutions

- Identified security related issues in implementation of JWTs within teams.
- Delivered session on authentication and authorization and use of OAuth.
- Raised critical application bugs and architectural issues in both Healthcare and telecommunications projects.
- Identified and addressed data mismatch issues for healthcare clients by developing a prototype to analyze discrepancies and pinpoint bottlenecks, initially using Power BI and later migrating the solution to Django and React.
- Maintaining documentation for bugs and issues within projects.

**PROJECTS:** Working along with both the healthcare and telecom projects.
**SKILLS:** Python, Playwright, O-Auth, Power BI, React, Django

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**APRIL 2024 – OCTOBER 2025** - Sr. Automation Engineer – Graphx Solutions

- Developed end-to-end ETL automation including fetching data daily on incremental basis from source to SQL server using browser automation.
- Initiative to use git and github for maintaining script versions, set up git on server and trained a team of 17 people on to use git and version control.
- Initiative to integrate LLM based solutions for client question and answers, got appreciation from management and clients.
- Initiative to use playwright and polars for ETL, reduced ETL time by 70%.
- Initiated the use of Linux (Ubuntu) servers to reduce cloud costs by eliminating licensing fees and promoted headless automation to optimize resources, successfully maintained for the past one year and present.
- Led automation team form single to 4 persons.
- Provided training and mentorship to two students during their AI and ML training and internship programs.

**PROJECT:** ETL & AI based chatbot solution for leading Urgent Care providers covering accounts and healthcare insights.
**SKILLS:** Python, Playwright, Polars, LLMs, SQL, Git, GitHub, Ubuntu Server

## ACHIEVEMENTS & AWARDS

- Bizzaro Balls (2nd Prize) – Mentorship (School Kids)
- Inter-College Hackathon 3rd Prize @SJBIT Bengaluru
- IoT Challenge 2018 – 2nd Prize @IIT Bombay
- Robotics Championship 3rd Prize @IIT Bombay

## ACTIVITIES & HOBBIES

- Learning from seasoned developers through conference videos
- Scalable and fault tolerant systems research through books, articles…
- Sociotechnical topics, impact of collectivism versus individualism on team dynamics and engineering productivity.
- Want to build an end-to end data engineering stack including AI & ML.

**MARCH 2023 – MARCH 2024** - Software Engineer – Graphx Solutions

- Started my role as a Process Automation Developer with the responsibility of reducing manual effort by automating repetitive business processes.
- Designed, developed, and implemented end-to-end automation solutions using email-based triggers, FTP integrations, and browser-driven workflows.
- Developed and maintained scalable automation scripts with a strong focus on clean code, modular design, DRY principles, proper version control, and detailed technical documentation.
- Managed and optimized environments to ensure smooth scheduling, execution, and monitoring of automation jobs.
- Took the initiative to design and lead the development of an NLP-based automation bot to handle FAQs and capture structured user feedback.
- Consistently delivered high-quality solutions and demonstrated technical leadership, which led to my promotion to Senior Automation Engineer.

**PROJECT:** ETL solution for multiple U.S.-based telecommunications carrier covering accounts and inventory data.

**SKILLS:** Python, Selenium, Pandas, Jupyter Lab, MS-SQL, RASA, ETL.

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**AUGUST 2022 – FEBRUARY 2023** - Freelancing and Mentorship Activities

- Worked with Tequed Labs, SST Technologies, Colleges and Schools.
- Trained and mentored students for embedded and IoT based projects.
- Students won 2nd prize for BizzroBall (Robot playing football) (Mentored).
- Worked with faculty to develop a IoT based multi-point pump controller using gsm to detect ground water leakage.
- Learnt 3D printing, made models using tinkercad and model printing.

**SKILLS:** Arduino, ATMEGA – 16, ATMEL Studio, IoT, Robotics, Training, Mentorship, Powerpoint, GSM Module,

**AUGUST 2018 – FEBRUARY 2020** - Embedded Intern – i3Indya Technologies

- Assisted in and delivered hands-on workshops on Embedded Systems, Robotics, and IoT across colleges throughout India, consistently receiving positive participant feedback.
- Traveled to multiple cities and institutions to support and conduct technical workshops.
- Demonstrated professionalism by adhering to organizational communication policies and maintaining appropriate boundaries with college staff and students.
- Actively learned new technologies and troubleshot software and hardware issues in real time during workshop sessions.
- Managed and safeguarded workshop materials, including IoT kits, certificates, and mementos, and ensured proper handover of any mementos received to the organization.

**PROJECT:** IoT integrated smart solutions, Line following robot, Embedded Systems using in-house developed kits.

**SKILLS:** Arduino, ATMEGA – 16, ATMEL Studio, IoT, Robotics, Powerpoint, Excel