

SONU RAJENDRAN

Software Engineer | Full-Stack & Application Developer | Java • Spring Boot • Flutter • REST APIs | AWS | Snowflake

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PROFESSIONAL SUMMARY

Full-Stack Developer with close to 2 years of professional experience building business applications, backend services, and data-connected platforms — backed by a master's in computer science. Developed a QR-based asset management application (Flutter, Spring Boot, JWT, PostgreSQL, Docker, Kubernetes) securing role-based access to 16,218 industrial assets and 80,000+ documents and built the organization's first internal business management platform (Spring Boot, SQL Server, JWT, REST APIs), deployed on AWS, unifying operations across 8 e-commerce marketplaces with role-based data access. Also engineered Power Automate workflow pipelines adopted organization-wide by IT in Innomotics. Skilled in Java, Spring Boot, REST API design, SQL, T-SQL/relational databases, and Python, with a data analytics background that lets me build applications directly around real business workflows and enterprise data.

PROFESSIONAL EXPERIENCE

Executive Data Analyst and Customer Service Technical — Innomotics India Ltd.

Mar 2026 – Present | Mumbai

- Engineered a QR-based industrial asset management application using Flutter (frontend), Spring Boot (backend), JWT authentication, and PostgreSQL, containerized with Docker and orchestrated via Kubernetes — digitizing secure, role-based access to records for 16,218 installed drives and 80,000+ documents across multiple plants, scoped so each plant's users see only their own facility's drives; version-controlled via Git with a pull-request-based workflow for maintainability; now in ACP cybersecurity production validation.
- Collaborating with the development team on a platform migration for the SIRIUS service tool, integrating an AI-assisted help chatbot into the application while ensuring design standards are met through active code and database schema reviews.
- Built a Contract Intelligence Dashboard in Power BI on a Snowflake-backed star schema, querying 130+ service contracts via SQL — cutting lookup time from 5-10 minutes to ~10 seconds - giving leadership real-time visibility to contract terms during customer escalations.
- Designed a KPI-driven I-Base Intelligence Dashboard covering 3,800+ assets, resolving Power BI Star Schema relationship conflicts to reach 96% (3,656)+ trusted asset visibility - giving servicing leadership the reliable asset data needed to plan PM visit schedules, cutting manual analysis by 70–80%.
- Built Power Automate pipelines across Microsoft D-365 Dynamics to eliminate manual ticket monitoring — auto-flagging Field Service tickets stuck beyond SLA and emailing handlers with next-day escalation, plus similar automations for contract allocation, ticket routing, and I-Base status — replacing a dedicated monitoring role, adopted organization-wide by IT & cutting hours of manual processing time to near zero.
- As one of two India-based analysts on a Global Data Governance initiative, led root-cause investigation into duplicate/inconsistent, inactive Installed Base records with SQL and Python as the primary diagnostic tools with a hypothesis-driven approach — cleansed 75,670+ records along with Germany data teams via dbt models and SSIS/SSRS pipelines to load and clean Dynamics 365 data — cutting duplicate entries by 80% (9,434 → 1,885).

Data Platform Developer | Data Analyst — Sounce Retail Pvt Ltd

Feb 2025 – Mar 2026 | Mumbai

- Architected and built the organization's first internal business management platform using Spring Boot, Java, SQL Server, JWT authentication, and REST APIs with Swagger documentation, deployed on AWS — giving the organization a unified, role-based view of the full SKU catalogue across 8 marketplaces, scoped so finance, warehouse, and other teams each see only their relevant data, with embedded Power BI reporting.
- Built an end-to-end Amazon ASIN suppression monitoring and reporting automation, flagging newly suppressed listings against inventory and demand records and distributing a scheduled daily Excel report by automated email - cutting manual monitoring effort by 90% & protecting sell-through on affected SKUs by catching suppressions within 2 hours instead of discovering them days later.
- Developed a modular Python marketplace data-extraction bot using Playwright for browser automation and Pandas/openpyxl for Excel output — validating and extracting product attributes across 100+ ASINs per run, cutting a 3–4 hour manual process to 5–10 minutes.
- Built Python automation using Word Mail Merge to generate compliance-ready product and shipping labels (barcode, EAN, model/part number) for Flipkart and Swiggy catalogue operations, replacing manual label creation with on-demand DOCX/PDF output.

ADDITIONAL EXPERIENCE

AI-Automation Intern - Infotech (Jul–Sep 2024): Built AI-driven automation workflows & predictive data pipelines using Python, Scikit-learn, & OpenAI APIs.

Web Development Intern - Unified Mentor Pvt Ltd (Jan–Feb 2024): Built responsive full-stack web applications using React.js and REST APIs.

PROJECTS

The Online Oasis Grocery App — Android, Full-Stack Development: Built a multi-vendor grocery e-commerce Android application with separate customer and vendor modules, supporting product discovery, ordering, payments, delivery tracking, and reviews across multiple vendor stores in a single marketplace.

Portfolio — 50+ additional projects (full-stack, backend, automation, data/BI): sonu2rajen.github.io/Portfolio-sonu

TECHNICAL SKILLS

Languages & Databases: Java, Python, SQL, T-SQL, PostgreSQL, SQL Server, MongoDB, Databverse, Snowflake

Software & Application Development: Spring Boot, REST APIs, Flutter, React.js, Swagger, JWT Authentication, Microservices, Android Studio

Infrastructure & DevOps: Docker, Kubernetes, AWS, Azure, Git/GitHub, CI/CD, API Integration, Database Design, System Design, Unit Testing

Data Engineering: Python (Pandas, NumPy, Scikit-learn), ETL Pipelines, SQL, Databverse, SSIS/SSRS, dbt

BI & Analytics: Power BI (DAX, Power Query, Star Schema), Tableau, Looker, Qlik Sense, Advanced Excel (VBA)

AI Tools: ChatGPT, Claude, Copilot, Gemini, DeepSeek, Antigravity, PowerApps, Power Automate, Lovable, GitHub Copilot

Domain & Soft Skills: Industrial & Supply Chain Analytics, Vendor Coordination, Run-Rate Forecasting, Root Cause Analysis, Executive Presentations, Cross-Functional Global Collaboration, Hypothesis-Driven Problem Solving, Cross-Functional Stakeholder Alignment, Inventory & Demand Planning Support

CERTIFICATIONS

Google Data Analytics Professional Certificate | PL-300: Power BI Data Analyst (In Progress) | Python for Data Science (NPTEL) | SQL for Data Science

EDUCATION

MSc in Computer Science — SIES College of Arts, Science | CGPA 8.4/10 | 2023–2025 | **BSc in Computer Science** — SIES | CGPA 8.6/10 | 2020–2023