Gowtham A
Senior Software Engineer

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SUMMARY

I am a Senior Software Engineer with over 7 years of experience in Python scripting, backend automation, and web scraping. I specialize in building efficient data pipelines using tools like Scrapy, Apache Airflow, and Docker. With strong expertise in SQL and data processing workflows, I consistently deliver scalable, production-grade solutions. My collaborative mindset and experience in agile environments help me align technical solutions with business goals in data-driven projects.

EXPERIENCE

Senior Software Engineer

Merit Data and Technology Pvt Ltd

📅 01/2024 – Present   📍 Chennai, Tamil Nadu

The company focuses on data solutions and technology

- Leading end-to-end data extraction pipelines using Python and Scrapy for pricing intelligence
- Developed structured outputs from unstructured web sources for client-facing dashboards
- Integrated Apache Airflow and Docker into scraping workflows to automate scheduling and improve scalability

Senior Software Engineer

Mafionis Software Solutions Pvt Ltd

📅 05/2023 - 11/2023   📍 Bengaluru, Karnataka

Software solutions provider specializing in data analytics and web tools

- Built and deployed scalable web scrapers for market intelligence data using Python
- Designed internal-use API endpoints using FastAPI and Flask
- Collaborated with front-end developers to integrate backend services into React-based dashboards.

Software Engineer (Contract to Hire for Infosys)

ARS Solutions Pvt Ltd

📅 02/2023 - 04/2023   📍 Hyderabad, Telangana

IT service management provider

- Resolved issues raised via Jira dashboards related to web scraping pipelines
- Handled bug fixes and enhancements for Scrapy-based spiders integrated into LinkedIn's data ingestion processes Collaborated with internal QA and data teams to ensure clean and timely batch deliveries

Python Developer

Aggregate Intelligence Pvt Ltd

📅 07/2018 - 01/2023   📍 Coimbatore, Tamil Nadu

Data analytics company providing insights and tools for various industries

- Developed scalable web scrapers to extract structured data from various industry-specific sources
- Integrated AWS S3 to store and serve data for internal teams and client reporting portals

EDUCATION

Master of Computer Applications (**MCA**)
Sri Ramafirishna Mission Vidyalaya College of Arts and Science
Year of passing: 2018   ♀ Coimbatore

Bachelor of Computer Applications (**BCA**)
Sri Ramafirishna Mission Vidyalaya College of Arts and Science
Year of passing: 2016   ♀ Coimbatore

KEY ACHIEVEMENT

⬥ **JATO Car Data Pipeline**
Successfully built an automated data pipeline for a global client that provided real-time pricing intelligence

◆ **Prosepulse Article Generator**
Developed an AI-powered content generation tool that significantly reduced manual article creation time

⬥ **Mentoring Initiatives**
Mentored junior developers, enhancing team capabilities and best coding practices

SKILLS

- **Languages & Frameworks:**   Python, Scrapy, Flask (basic), FastAPI (basic), SQL, HTML, CSS, JavaScript (basic), Power BI (basic), Excel,
- **Web Scraping & ETL:**   Scrapy, Requests, BeautifulSoup, JSON/HTML parsing
- **DevOps & Cloud:**   Docker, Git, AWS S3, GitHub Actions, Apache Airflow
- **Databases:**   MySQL, PostgreSQL, MSSQL, MongoDB (basic), Cosmos DB
- **Tools & Environments:**   Visual Studio Code, DBeaver, Eclipse, Ubuntu, Windows
- **Automation Tools:**   OpenAI ChatGPT API, prompt engineering, N8N (basic)
- **Soft Skills:**   Agile development, code reviews, documentation

CERTIFICATIONS

- AI Automation: Build LLM Apps & AI Agents with n8n & APIs   – **Udemy** (2025)

- Complete Hands-On Introduction to Apache Airflow   – **Udemy** (2025)

    → Built a simple demo project using **Scrapy**, **SQL**, **Docker**, **Apache Airflow**, and **Git** for Basic ETL automation and workflow orchestration
    → GitHub: github.com/Gowthamgy/demo_projects

PROJECTS

JATO Car Data Pipeline
- Built a scalable pipeline to automate the extraction of car specifications and pricing data for a global client
- **Tech Stack:** Scrapy, Apache Airflow, MySQL, Docker, Git, OpenAI API

Prosepulse Article Generator
- Built a scalable pipeline to automate the extraction of article content for market intelligence
- **Tech Stack:** Python, FastAPI, Cosmos DB, React

StorTrack Data Crawler
- Scraped global self-storage unit data and pricing from various sources; ensured continuous sync to internal databases
- **Tech Stack:** Python, MySQL, MSSQL, AWS S3

Scrapy Bug Fixing & Maintenance
- Worked on production Scrapy spiders to troubleshoot failures and maintain data integrity across multiple endpoints.
- **Tech Stack:** Python, Scrapy, Jira, Git

INTERESTS

Learning Interests

- Exploring the fundamentals of Machine Learning, Data Engineering, and AI agent development. Actively building hands-on skills in model training, prompt engineering, and intelligent automation workflows.