

# SANJAY H S

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## SUMMARY

Product Engineer Result oriented IT professional with overall experience of 4+ years and a passionate python developer with more than 3 years of experience in Backend development, Data engineering principles, Database management and Application support. Well-acquainted with python frameworks like flask and fastapi. Knowledgeable in Python libraries related to data cleaning and data manipulation such as Pandas and pyspark for data handling and processing. Having hands-on experience in database operations using SQL. Enhancing the skill set with essential technologies for seamless data integration and access across diverse sources. Moreover have understanding and knowledge of infra and deployments of web apps with Azure DevOps. Able to effectively self-manage during independent projects, as well as collaborate as part of a productive team.

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## PROFESSIONAL EXPERIENCE

### Avo Automation

Aug 2023 - Present

#### Product Engineer

- Worked in a 6-member development team, collaborating closely with the CTO, architects, and leads to deliver backend and data solutions across key projects.

iTDM – intelligent Test Data Management Platform (Python, Flask, PySpark):

- Built RESTful APIs using Python Flask and developed connectors for SQL and NoSQL databases, streamlining test data provisioning across teams.
- Implemented dynamic data masking for MySQL and PostgreSQL to enhance data security and support governance policies.
- Processed user logs and metrics using EDA methods, storing insights in MongoDB and MySQL to improve data traceability and reporting.

Avo Assure (Node.js):

- Helped stabilize and refactor backend APIs, improving performance and reliability for business-critical modules.

Additional Contributions:

- Led MongoDB data migrations from legacy to new schema for live customer environments with zero downtime.
- Managed CI/CD pipelines in Azure DevOps, improving deployment speed and system reliability.

### Mindtree Ltd.

Nov 2018 - May 2021

#### Software Engineer

Shared Services – Database & Linux Server Management:

- Supported enterprise-wide environments by handling core database operations (backups, restores, patching, access control) and Linux server health monitoring, ensuring high system reliability and SLA compliance.
- Collaborated with infrastructure and support teams to maintain performance across dev, test, and production environments—documenting recurring issues and automating routine ops where possible.

Development Projects (Backend) – AkzoNobel & P&G (Python, Flask, CMS):

- Designed and developed 15+ RESTful APIs using Python Flask, supporting content delivery and CMS integrations across 90+ global websites.
- Integrated with Sitecore, Drupal, etc., to enable dynamic content rendering in 12+ languages, cutting manual content deployment effort by significantly.
- Secured APIs through IP whitelisting and cloud security groups, reducing unauthorized access incidents by over 60%.
- Collaborated in Agile teams and partnered with frontend and DevOps teams to ensure smooth, zero-downtime deployments.
- Enhanced logging, monitoring, and test automation—bringing MTTR down from 4 hours to under 1, with 85% test coverage for backend services.

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## EDUCATION

### Bachelor of Engineering

Majors: Computer Science & Engineering

M S Ramaiah Institute of Technology

Aug 2013 - Jul 2017 | CGPA: 7.73

## SKILLS

Core: Python, Flask, FastAPI, REST Api

Data Engineering: Pyspark, Pandas, Hadoop

Databases: MySQL, PostgreSQL, MongoDB, Cassandra

DevOps: Azure DevOps, Docker, Jenkins

Cloud: Azure, OCI

Version control: Git