

SATHISH SUGAVANAM

Senior Backend Engineer | Python | Django | Microservices | IPaaS Platform Engineering

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PROFESSIONAL SUMMARY

Senior Backend Engineer with 11 years of total experience including 4+ years in Python backend development and 6 years in software quality engineering. Specialises in designing and building enterprise API platforms, microservices architectures, and third-party integration systems. Independently architected a custom IPaaS platform that sped up developing product marketplace integrations by 2 times within 6 months. Worked on a high-traffic chat system serving over 2 million monthly active users. Strong quality engineering instincts, end-to-end ownership of projects from planning to delivery, and the ability to reduce operational complexity through platform-level abstractions.

CORE SKILLS & TECHNOLOGIES

Languages	Python (primary), JavaScript, SQL
Frameworks	Django, Django REST Framework, Node.js, Celery, AI agentic skills, RAG
Architecture	Microservices, Event-driven architecture, REST API design, IPaaS / Integration platforms
Databases	PostgreSQL, MongoDB, Redis (caching & queuing)
Cloud & Infra	AWS (Developer Associate certified), Docker, CI/CD pipelines
Observability	OpenTelemetry, Jaeger, distributed tracing, structured logging for platforms
Testing	Unit testing, Integration testing, Selenium, API automation, TDD
Practices	System design, API integration, Project planning, Code review, , technical RFC authoring

WORK EXPERIENCE

HappyFox Technologies LLP | Senior Backend Engineer — Integration Platform | Feb 2021 – Present

- **Designed and built an internal IPaaS platform from the ground up**, reducing integration development time by 75% through reusable abstraction layers, compatible platform APIs, and standardised connector scaffolding.
- **Worked on a real-time customer support chat product** serving a million monthly active users by owning new functional requirements, customer support and enhancing app security.
- **Engineered a webhook trigger system for a mission-critical workflow product** with de-duplication, atomicity guarantees, exponential backoff retry logic, HMAC verification, and enriched execution logs for observability and manual retry capability.
- **Delivered 10+ third-party integrations with the integration platform end-to-end** by owning project planning, API analysis, development, and production release.
- **Architected AI agentic skills for third-party connector development** which can end-to-end code, user flows, Front-end and APIs which are production-ready.
- **Introduced AI to cut-short the pain points in SDLC** of building integrations in feasibility analysis, unit testing, Code review which cut short the code review and testing time by 30%
- **Standardised observability across the platform** using OpenTelemetry and Jaeger, introducing trace-based end-to-end log correlation across functionalities like authentication, webhooks and data sync flows which shrinked debugging time of customer issues by 20%
- **Implemented unit and integration test suites across multiple services**, reducing manual QA regression effort by 25% and improving release confidence.
- **Mentored interns and junior engineers** on connector development; led PR reviews across the integration team; conducted regular sprints to resolve code crashes which reduced customer issues inflow by 10%

Accenture | [Application Development Senior Analyst — Automation Engineering](#) | *Oct 2019 – Jan 2021*

- **Built Selenium-based API and mobile UI automation test suites for a payment flow** for a top North American banking client — improved regression time by 20%.
- **Led a team of five engineers** across project planning, user flow reviews, and automation code quality reviews.
- **Peer-reviewed automation scripts** to enforce best practices and maintain codebase quality across the client project.

Sirius Computer Solutions Inc. | [Software Test Engineer](#) | *Dec 2014 – Oct 2019*

- **Authored and executed test cases and test plans** for an e-commerce and a healthcare client, ensuring smooth and on-time product delivery.
- **Implemented automation frameworks** to replace manual smoke and regression testing, directly reducing QA effort on regression by 75%

EDUCATION

Government College of Technology

B.E. Civil Engineering | Coimbatore, India

CERTIFICATIONS

AWS Certified Developer – Associate

Amazon Web Services | January 2023