Yashas Chandrashekar

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Skills and Tools

Languages: Go, Java, Python
Backend: REST APIs, Workflow Engines, Data Modeling, Transactions, Concurrency Basics
Databases: PostgreSQL, MySQL, MongoDB
Cloud: AWS (EC2), Firebase(Notification Triggers), Docker, Kubernetes
Tools: Git

Work Experience

Backend Developer
Zino Technologies, Bengaluru, Karnataka — February 2024 - Present

- Designed and implemented standardized OCR processing for government documents (Aadhaar, GST, PAN, MSME), normalizing extracted data into fixed schemas to ensure consistent downstream processing across low-code workflows.
- Optimized post-activity job execution by separating synchronous and asynchronous tasks, reducing execution latency and improving platform responsiveness under concurrent workloads.
- Contributed to the backend foundation of an internal pipeline orchestration product (n8n-like), enabling users to configure multi-step workflows via UI and execute them reliably on the platform.
- Implemented execution blocks for API calls, business logic, Python script execution, and database operations, with input validation using OpenAPI specifications to ensure safe and predictable execution.
- Designed and built a backend service for automated cement order allocation, implementing business-driven algorithms to assign orders to appropriate plants or warehouses based on customer data, rankings, and order constraints.
- Owned database schema design and service logic for the allocation service, including periodic synchronization of upstream data sources to ensure accurate and timely decision-making.
- Implemented configurable HTTP request execution as part of post-activity jobs, enabling seamless integration with third-party systems and automated ingestion of external data into platform workflows.
- Implemented dynamic workflow generation using a state-machine-based execution model, enabling backend-driven creation and orchestration of workflows based on structured user inputs.
- Implemented backend support for workflow-aware form generation, dynamically creating input forms aligned with workflow states and execution requirements to reduce manual configuration within the low-code platform.
- Implemented backend support for intent-based activity execution, mapping user-provided instructions to appropriate workflow activities, resolving the required forms, populating inputs, and executing actions within the platform.

Personal Projects

OpinionBox — 2023
Technologies: HTML, CSS, JavaScript, BootStrap, PHP, Apache2, MariaDB, Linux, Telebit
Description: Developed a web platform enabling peers to anonymously share opinions and rate classmates on a scale of 1 to 10, fostering constructive feedback within the academic community. This website was hosted live for over 3 days, resulting in over 50 registered users.
Project Link

Sudoku Solver — 2023
Technologies: HTML, CSS, JavaScript
Description: Built a Sudoku Solver web app for interactive puzzle solving, automating cell-fill functionality upon user request. Demonstrated algorithmic problem-solving and user-centric design.
Project Link

Certifications

Database Management System
NPTEL, 2023
Certificate Link

Learning Data Analytics
NPTEL, 2022
Certificate Link

Education

Computer Science and Engineering
Reva University, Bengaluru, Karnataka — August 2019 - August 2023
CGPA: 8.74 (First class with Distinction)