SAI YASASWI, GURAJADA
Software Engineer || +919885808593 || yashaswigurajada@gmail.com

Software Engineer with 3+ years of experience building scalable enterprise applications across backend, frontend, and API development. Skilled in Java, Spring Boot, RESTful APIs, Angular, and SQL, with proven expertise in designing workflow orchestration systems, modernising microservices, and optimizing application performance. Delivered measurable results, including 30–50% efficiency and performance gains by leading critical feature implementations, accelerating release cycles, and enhancing user experience. Recognised for end-to-end ownership, problem-solving, and cross-functional collaboration, with a commitment to continuous learning and applying emerging technologies to deliver innovative, business-aligned solutions.

PROFESSIONAL EXPERIENCE   3 Years

➢ SOFTWARE ENGINEER at **ASCENDION ENGINEERING**   June 2025 – Present

- Developed and maintained key backend services for AAVA, an agentic AI-powered software development, deployment, management, and workflow orchestration platform, using Spring Boot and RESTful APIs.
- Improved workflow execution platform and integrated Python microservices, enabling multi-tenant operation.
- Architected modular DTO, Controller, and Service layers with precise exception handling, validation, and dynamic AI model resolution.
- Led platform modernisation by restructuring major microservices, enabling auditable and scalable operations.
- Designed and implemented the artifact lifecycle system, improving approval efficiency and reducing user onboarding time by 40%.
- Collaborated with cross-functional teams to optimise pipeline execution flow, reduce latency, and enable multi-tenant capability.
- Led DevOps adoption for the team by automating CI/CD pipelines to enable smooth deployments from Dev to QE to UAT, reducing manual effort and improving deployment reliability through containerization and environment consistency.

➢ SOFTWARE ENGINEER at **ENCORA INNOVATION LABS**   April 2024 – August 2024

- Continued to work with TIBCO - Cloud Software Group, as TIBCO India's Engineering team was outsourced to Encora.
- Orchestrated and implemented the end-to-end delivery of a Swagger-based API service to replace UI calls, fulfilling a critical customer requirement and delivering high-quality results on time despite tight deadlines and resource constraints.
- Implemented and executed the CMI Protocol in the 1.5.0 release, taking ownership of the same and led end-to-end API contract design using OpenAPI specifications, enabling easier QA automation and third-party API client generation.
- Accelerated regression testing by 30% by collaborating with the QA team to create mock APIs and test suites.
- Improved documentation and internal wikis to support new developers during engineering handovers.

➢ SOFTWARE ENGINEER at **TIBCO – CLOUD SOFTWARE GROUP**   September 2021 – March 2024

- Worked on developing TIBCO's legacy product, Business Connect's Container Edition.
- Contributed to debugging, feature enhancements, and fixes for my initial 1.2.0 release and took ownership of integrating new protocols in subsequent releases, driving their successful implementation and delivery.
- Proactively assumed responsibility for UI/UX tasks when the dedicated UI team was reassigned to another product, ensuring seamless design continuity and user experience for the project.
- Included the ebXML and ebMS3 protocols support in the 1.3.0 release based on the customer's requirement.
- Worked on enhancing the existing features by cutting down the task performance process and introducing a more optimised way.
- Introduced workarounds to the product, improving the performance testing results by 50%.
- Volunteered as the point of contact for ebXML, X12, and HIPAA protocols, enabling the QA team to have a hassle-free testing process.
- Mentored three new joiners and ensured a smooth Knowledge Transfer process, enabling them to understand the product and set up their environments seamlessly and reducing the onboarding process by 60%.

EDUCATION

Course/Specialization	Institute	CGPA/Percentage	Year of Completion
B.Tech, Computer Science and Engineering	Jawaharlal Nehru Technological University, Hyderabad	8.65	2021
Intermediate, MPC	Sri Chaitanya Junior College	91.7%	2017
CBSE 10th	Maharishi Vidya Mandir	9.0	2015

TECHNICAL SKILLS

- ❖ **Backend & APIs:** Java, Spring Boot, SQL, RESTful APIs, Microservices

- ❖ **Frontend:** Angular, TypeScript, Node.js

- ❖ **Cloud & DevOps:** Azure DevOps, GCP, Docker, Kubernetes

- ❖ **Databases & Search:** MySQL, Postgres, Redis, Elasticsearch

- ❖ **Build & CI/CD Tools:** Gradle, Maven, GitHub, Jenkins, Checkmarx, Argo

- ❖ **Developer Tools:** IntelliJ, Postman, Swagger, Figma, TortoiseSVN

- ❖ **AI & Emerging Tech:** Python, CrewAI, LangChain

PROJECTS

- **Face Mask Detection** – March 2021

  A convolutional neural network–powered application that detects face mask compliance in real time through facial detection and movement tracking. Achieved 98% detection accuracy on 5000+ images and demonstrated real-time interference with <100ms latency per frame.
  Technologies Used: CNNs, Keras, OpenCV

- **Mood Therapy** – January 2020

  A mobile and web application that enhances emotional well-being by tracking moods and offering personalised activity recommendations like e-books, movies, podcasts, and music.
  Technologies Used: HTML, CSS, JavaScript, Flutter

- **Cotton Price Prediction** – February 2020

  This project was a part of the Smart India Hackathon. It is an AI-powered web portal that helps users analyse and forecast cotton prices using historical data and regression models. Achieved an MAE of 7.2% on historical datasets.
  Technologies Used: HTML, CSS, JavaScript, Bootstrap, Django, Scikit-learn, Matplotlib, Pandas

- **Malaria Detection** – September 2019

  Developed a CNN-based machine learning model that automatically classifies and predicts infected cells in thin blood smears on standard microscope slides. The project has achieved 97% accuracy on 10000+ images.
  Technologies Used: PyTorch, Scikit-Image, Scikit-Learn, CNNs, NumPy, Pandas

CERTIFICATIONS

- **Database Design using SQL**

  Issued by Oracle in association with TASK in August 2018

- **Microsoft Technology Associate: Networking Fundamentals (MTA) – Link**

  Issued by Microsoft in April 2018

- **IT Academy: Cloud and Virtualization Concepts – Link**

  Issued by Broadcom in January 2020

- **AWS Academy Graduate – AWS Academy Cloud Foundations – Link**

  Issued by Amazon Web Services (AWS) in May 2021

- **Blue Prism Foundation Training for Robotic Process Automation (RPA) – Link**

  Issued by SS&C Blue Prism in June 2021