Aditya Sai Mullapudi

Full Stack Developer/SDE/Application Engineer

Manchester, NH |+1 (603) 264-5904 | adityasai0126@gmail.com | GitHub| LinkedIn

PROFESSIONAL SUMMARY

Full stack Java/Python developer with experience building scalable web applications, AI-driven ticketing workflows, and customer-facing chatbots in fast-paced environments. Proven track record delivering secure, data-intensive solutions for federal and commercial clients using Spring Boot, REST APIs, PostgreSQL, and cloud DevOps practices. Strong collaborator skilled in UI/UX, microservices, and CI/CD, with a master's degree in Information Technology and Sciences.

PROFESSIONAL EXPERIENCE

YTT Global Services
Georgia, USA(REMOTE)

Full Stack Developer — *May 2025 - Present*

- Designed and maintained workflow automations using **n8n** to connect internal tools, client systems, and AI services, reducing repetitive manual work in day-to-day operations.
- Built and optimized backend **APIs** using **Java**, **Spring Boot**, and **PostgreSQL** to support client projects and internal platforms at an AI-focused technology consulting company.
- Implemented an **n8n**-based **ticket management** flow for a healthcare client (Reverse Karma) to automatically capture, route, and update support tickets from multiple channels, improving response speed and follow-through.
- Experimented with **LLMs** such as **GPT** and **Mistral**, wiring them into workflows and backend services to handle tasks like text classification, summarization, and response drafting for internal tools and client demos.
- Used frameworks like **LangChain** and **LangSmith** in prototypes to explore retrieval-augmented generation, prompt evaluation, and AI-assisted flows for future client solutions.
- Lead frontend **UI/UX** design and development for the ticket management system to create a user-friendly, efficient workspace for support teams.
- Integrate backend services, **API**s, and databases to support scalable automation features across ticketing and chatbot platforms.
- Used **PostgreSQL** to design and manage databases to store and retrieve data efficiently, ensuring data integrity and security.
- Automated deployment workflows using **CI/CD pipelines** in **OpenShift**, cutting deployment times by 50%.

SyntacTech Inc.
North Andover, MA, USA

Software Development Engineer — *February 2024 - May 2025*

- Collaborated with federal stakeholders, business analysts, and senior engineers to gather requirements, refine user stories, and translate complex policy and reporting needs into technical specifications while adhering to federal standards.
- Led end-to-end redesign and development of an internal federal dashboard using **Java**, **Spring Boot**, **Bootstrap and Vue.js**.
- Collaborated with federal stakeholders to gather requirements, refine user stories, and translate complex reporting needs into technical solutions.
- Designed and implemented secure **RESTful APIs** and integrations with multiple data services to handle large-volume, sensitive data and metrics.
- Optimized database queries and API performance to support large data sets and high-frequency usage with reduced response times.
- Managed tasks and milestones in an **Agile environment**, contributing to delivering the project ahead of schedule.

Think & Learn Pvt. Ltd.
Hyderabad, Telangana, India

Web Application Developer — *March 2021 - April 2022*

- Developed web pages applying best standards.
- Designed dynamic and multi-browser compatible pages using **HTML**, **DHTML**, **CSS** and **JavaScript**.
- Developed **Web API** with **Node.js** hosted on multiple load-balanced instances.
- Refactored monolithic applications to modular microservices using **Spring Boot**.
- Implemented search functionality for internal applications using **Angular JS** and **Node.js**.
- Involved with Product Managers and Software Engineers to provide guidelines on solid **UI design**.
- Developed Spring Configuration for dependency injection by using **Spring IOC**, **Spring Controllers**.

PROJECTS

Deep Learning Based – Masked Face Detection System| CNN, OpenCV, PyTorch, TensorFlow
- An application that detects whether if a person wearing face mask or not using real time web cam.

Inventory Management System| React, JavaScript, PostgreSQL, Java 17
- Built Inventory Management System with a Responsive User Interface using Java, React and connected it to PostgreSQL that always keeps track of the inventory hence ensure zero stockouts.

Detection of ARP Poisoning and Promiscuous mode| Cybersecurity, tkinter, Linux
- Designed a GUI using tkinter, Researched and established multiple cybersecurity tools to learn about networking and security. Integrated the scripts written for detection of ARP Poisoning and Promiscuous mode.

TECHNICAL SKILLS

- **Languages**: Java, JavaScript, Python, TypeScript, Bash, SQL, HTML, CSS
- **Frameworks/Libraries**: Spring Boot, ReactJS, Node.js, JUnit, Mockito, Kafka
- **Cloud/DevOps**: AWS (Lambda, EC2, S3, CDK, ECS, RDS, CloudWatch), Terraform, Docker, Kubernetes, Jenkins, GitLab, CI/CD
- **Databases**: PostgreSQL, MySQL, SQL Server, DB2, MongoDB, DynamoDB
- **API/Integration**: RESTful APIs, SOAP, Swagger, Postman
- **Tools/Monitoring**: Git, GitHub, GitLab, Maven, Gradle, NPM, Elastic APM, Jira, Confluence, VS Code, IntelliJ, Eclipse, N8N
- **Testing**: Test Driven Development (TDD), JUnit, Jest
- **Others**: Agile, SDLC, Unix, Object Oriented Principles, Design, Documentation, Mentoring, Leadership, SOLID, ACID

CERTIFICATIONS

- **Built and deployed AI features with Google Cloud Gemini & Imagen** - *Google Cloud Skills Boost*
- **Responsive Web Design** - *freeCodeCamp.org*
- **Azure Fundamentals (AZ-900)** - *Microsoft Certified*
- **Python for Everybody** - *University of Michigan*

EDUCATION

Southern New Hampshire University
Manchester, NH, USA

Masters in Information Technology and Sciences — *December 2023*