

ABHIGNAV REDDY BIJJULA

Project Manager & Lead | Full Stack Developer

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PROFESSIONAL SUMMARY

Results-driven Project Manager and Lead Full Stack Developer with 2+ years of experience architecting multi-tenant SaaS platforms, leading cross-functional Agile teams, and delivering enterprise-grade microservices solutions. Proven expertise in Java (Spring Boot), TypeScript, React, GCP, Kafka, and Redis. Holds Salesforce AI Specialist and Google Cloud certifications. Track record of managing full product lifecycles from inception to deployment across EdTech and HRMS domains.

WORK EXPERIENCE

Project Manager & Lead

Oct 2025 – Present

TCON Solutions | Hyderabad, Telangana, India

- Lead end-to-end project planning, sprint management, and delivery for 2 concurrent enterprise software products — an HRMS platform and an EdTech tutoring network — serving 10+ enterprise clients.
- Manage and mentor a cross-functional development team of 6+ engineers, conducting daily stand-ups, sprint retrospectives, and code reviews to ensure on-time delivery.
- Architected and single-handedly built a multi-tenant SaaS HRMS platform from scratch using Java, Spring Boot, React, and GCP, reducing client onboarding time by 35%.
- Designed real-time event-driven microservices architecture using Kafka and Redis, achieving 99.9% uptime and sub-200ms average API response times.
- Integrated GCP Buckets for scalable file storage, MongoDB for high-volume data storage, and Redis caching to improve system performance by 40%.
- Drove Agile delivery processes, managing product roadmaps, stakeholder communication, and risk mitigation across multiple concurrent projects.

KEY PROJECTS

Multi-Tenant Enterprise SaaS & HRMS Platform

Oct 2025 – Present

TCON Solutions | Personal Build

- Architected and built an enterprise-grade multi-tenant SaaS application from scratch, implementing tenant isolation via schema-per-tenant design, supporting 10+ enterprise client organizations with zero data leakage across tenants.
- Designed a comprehensive HRMS module covering the full employee lifecycle — onboarding, attendance tracking, leave management, payroll processing, and offboarding — reducing manual HR administration effort by 50%.
- Built an automated job scraper that aggregates listings from multiple external sources and populates a dynamic, client-facing career portal with real-time job feeds.
- Implemented a team-driven Market Manager module with live dashboards and Kafka-powered event streaming, achieving under 100ms data propagation latency across distributed services.
- Engineered multi-layered caching strategies using Redis to handle high read throughput, reducing average database load by 45% and improving page response times by 40%.
- Deployed the entire platform on Google Cloud Platform using GCP Compute, GCP Buckets for file storage, and MongoDB Atlas for persistent data — achieving 99.9% uptime.
- Tech: Java, Spring Boot, TypeScript, React, Tailwind CSS, MongoDB, Kafka, Redis, GCP, REST APIs.

EduConnect – EdTech Tutoring Platform

Dec 2025 – Present

TCON Solutions | Team Lead

- Managed and mentored a 4-member development team using Agile sprint cycles, conducting weekly planning, daily stand-ups, and retrospectives to deliver on schedule across 6 major release milestones.
- Architected a multi-role platform with distinct portals for teachers, students, and parents — each with role-specific dashboards, permissions, and workflows — connecting 200+ active users.

- Built interactive assignment and worksheet tracker modules with deadline reminders, file attachments, and grading workflows, reducing teacher administrative overhead by 35%.
- Developed a real-time student progress monitoring system with visual performance analytics, attendance logs, and report generation — giving parents and teachers actionable insights.
- Engineered a secure WebSocket-based real-time chat module with message threading, read receipts, and file sharing — increasing daily active engagement by 60%.
- Integrated an automated payment and billing system with third-party payment gateway APIs, supporting subscription billing and one-time payments processing 500+ monthly transactions.
- Tech: TypeScript, React, Tailwind CSS, Java, Spring Boot, Microservices, Kafka, Redis, MongoDB, GCP (backend), Hostinger (frontend).

TaskTrailz – Internal Project & Company Management Platform

Oct 2025 – Present

TCON Solutions | Lead Developer & Project Manager

- Conceived, architected, and built TaskTrailz — TCON Solutions' internal operations platform — to centralize all company data, project tracking, HR management, and team workflows in a single unified system.
- Designed and implemented a custom Jira-style project board with Kanban and Sprint views, drag-and-drop task management, priority labels, assignee tracking, due dates, and real-time status updates — replacing external tooling entirely.
- Built a full internal HRMS module handling employee records, attendance, leave requests, payroll summaries, and performance tracking for the TCON Solutions team.
- Implemented role-based access control (RBAC) with Admin, Manager, and Employee permission tiers, ensuring sensitive company data is accessible only to authorized personnel.
- Created dashboards for project health metrics, team velocity, sprint burn-down charts, and individual task completion rates — giving leadership real-time visibility into company operations.
- Integrated document management for storing and versioning company files, contracts, and reports, backed by GCP Buckets with secure access links.
- Tech: Java, Spring Boot, TypeScript, React, Tailwind CSS, MongoDB, Redis, Kafka, GCP.

Sign Language Recognition System

Apr 2023 – Aug 2023

Academic Project | MRCE, Hyderabad

- Designed and implemented a real-time sign language recognition pipeline using OpenCV for hand detection and gesture segmentation, processing live webcam feed at 30 FPS with sub-50ms inference latency.
- Trained a convolutional neural network (CNN) on a custom dataset of 5,000+ gesture images, achieving 87% recognition accuracy across all 26 ASL alphabet characters.
- Built a gesture-to-text translation layer that renders recognized characters as on-screen text output in real time, enabling communication between deaf individuals and standard computer interfaces.
- Explored data augmentation techniques (rotation, flipping, brightness variation) to improve model robustness across varying lighting conditions and hand orientations.
- Tech: Python, OpenCV, TensorFlow, Keras, NumPy, Matplotlib.

Price Prediction using Machine Learning

Dec 2022 – Mar 2023

Academic Project | MRCE, Hyderabad

- Engineered a price prediction system by analyzing 3 years of historical market data across multiple product categories, applying and benchmarking linear regression, decision trees, random forests, and neural network models.
- Performed end-to-end data preprocessing including outlier removal, feature engineering (rolling averages, lag features, seasonality indicators), and normalization — improving model accuracy from 74% to 91%.
- Conducted feature importance analysis using SHAP values to identify the top 5 pricing drivers, providing actionable insights for business pricing strategy optimization.
- Deployed the final model as a lightweight Python API that accepts product parameters and returns predicted price ranges with confidence intervals.
- Tech: Python, Scikit-learn, Pandas, NumPy, Matplotlib, SHAP, Flask.

TECHNICAL SKILLS

Languages	Java, Python, JavaScript, TypeScript, SQL, Bash
Frameworks	Spring Boot, React, Tailwind CSS, Microservices Architecture, REST APIs
Cloud & DevOps	Google Cloud Platform (GCP), GCP Buckets, CI/CD, Docker
Databases	MongoDB, Redis, SQL
Messaging	Apache Kafka, Event-Driven Architecture
Salesforce	Apex, Lightning Web Components (LWC), Process Automation, API Integration, Salesforce CLI
Tools	VS Code, Git, GitHub, Hostinger, Jira, Agile / Scrum
Soft Skills	Project Management, Technical Leadership, Agile Delivery, Stakeholder Communication, Team Mentoring

CERTIFICATIONS

Google Cloud Computing Foundations	Issued Apr 2025
Salesforce Certified AI Specialist	Issued Jan 2025
Salesforce Certified AI Associate	Issued Jul 2024

INTERNSHIP

Salesforce Developer Intern	Sep 2023 – Dec 2023
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Virtual Internship (Salesforce Trailhead) | Hyderabad, India

- Completed Salesforce Super Badges: Apex Specialist, Process Automation Specialist, and Developer Super Set.
- Built Lightning Web Components (LWC), integrated APIs, and automated business workflows using Apex programming and Process Builder.
- Developed expertise in Salesforce security, deployment pipelines, and VS Code + Salesforce CLI tooling.

EDUCATION

Bachelor of Engineering — Electronics & Communication Engineering	2019 – 2023
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Malla Reddy College of Engineering (JNTUH) | Hyderabad, India

- Relevant coursework: Data Structures, Computer Networks, Embedded Systems, Python Programming, Machine Learning, Computer Vision.
- Led SAHAAY non-profit as Main Coordinator for 4 years; served as Event Coordinator for TEDx MRCE.

LEADERSHIP & VOLUNTEERING

Main Coordinator – SAHAAY (Non-Profit)	4 Years
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Led a non-profit organization providing groceries to the needy; managed volunteers, coordinated initiatives, and oversaw efficient assistance delivery.

Event Coordinator – TEDx MRCE	Hyderabad, India
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Coordinated event planning, logistics, and team management for TEDx MRCE, ensuring seamless execution for 300+ attendees.