Pradeep Yenkuwale
Senior Software Engineer

GitHub   LinkedIn   Email   My Portfolio   +91 9880935431
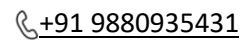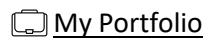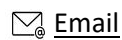
PROFESSIONAL SUMMARY

Senior Software Engineer with 7.5 years of professional experience delivering impactful solutions and driving innovation in software development.

- o Expertise in building and delivering solutions for delivery management, global voice services, and legislation management systems.
- o Successfully implemented and automated voice services, reducing manual processing time from 3–4 days to 1 hour, achieving significant cost savings.
- o Played a key role in migrating and automating AT&T Direct Call Provisioning (DCP) for over 60 countries.
- o Designed and developed an AI model using ChatGPT (GPT-3.5-turbo), introducing user-driven data training modules and integrating the solution into a Flask-based Python chatbot.
- o Skilled in code review and deployment and ensuring adherence to coding standards, focusing on developing reusable code and microservices to support sustainable, scalable systems.
- o Proficient in JavaScript, TypeScript, Node.js, NestJS, Angular, React, and Python, with experience utilizing IBM Cloud and AWS services.
- o Actively engaged in client-facing roles, including requirements gathering, system analysis, and design.
- o Developed an AI Assistant with advanced capabilities such as text-to-text, voice-to-text (with speech synthesis), and voice-to-voice interactions, featuring multilingual support and automatic language detection.
- o Committed to enhancing work value, fostering collaboration, and building positive relationships with peers and clients to maintain a productive work environment.

TECHNICAL SKILLS

- o Programming Languages and Frameworks: JavaScript, Python, Angular 11+, Node.js, NestJS, Express.js, FastAPI, and Flask.
- o Architectural Patterns and Concepts: MVC, REST APIs, GraphQL, Microservices and System Design
- o Databases:
  - o SQL Databases: MySQL, SQL Server, and IBM DB2
  - o NoSQL Databases: MongoDB and IBM Cloudant.
- o Package Management: NPM Package development.
- o Messaging and Event Streaming Platforms: RabitMQ and Kafka.
- o Development Roles and Practices: Software Development, Full Stack Development, Backend development, Technical documentation, and Architectural Solutions.
- o IDEs: VS Code, PyCharm, Spring Tool Suite.
- o API Testing Tools: Postman, Soup UI, Version Control Tool: Git, and Project Management Tool: JIRA.
- o Generative AI: OpenAI (gpt-4o), OpenAI Whisper, pyttsx3, Gemini, WatsonX.
- o Cloud Technologies: AWS, IBM Cloud.
- o Operating Systems: Windows, Linux, and MAC.

PROFESSIONAL EXPERIENCE

Senior Software Engineer – Full stack, **Almatar Software Solution Pvt Ltd - Mar 2024 – Present**
- o Designed and implemented comprehensive solutions for system integration and architecture.
- o Delivered an AI-based architectural solution for customer data integration with AI models like ChatGPT, enabling data training from customer feedback, search history, travel history, and shopping carts.
- o Developed a Proof of Concept (PoC) application to demonstrate the integration of ChatGPT using Python, scaling it into a backend service with FastAPI to support localization and multilingual capabilities.
- o Created a recommendation engine combining multiple services, including a rule-based system, to deliver customized actions based on user inputs. The engine generated flight itineraries and provided additional services to enhance customer experience and boost sales.
- o Successfully integrated various domestic and international airlines into the Almatar platform.
- o Actively participated in technical discussions and feature development while leading cross-team collaboration efforts.
- o Designed and developed RESTful APIs, launched backend features, and worked closely with other teams for seamless service integration.

Senior Software developer – Full stack, **IBM India Pvt Ltd - June 2022 – Feb 2024**
- o Architected and led junior engineers in developing Node.js Microservices.
- o Collaborate with the team to delegate tasks, separate modules, and provide technical guidance and support to enhance the team's understanding of logical concepts.
- o Developing microservices and REST APIs, integrating them into applications, and automating global voice services through API integrations across multiple systems.
- o Deploy applications and ensure security compliance in the cloud.
- o Built microservices from scratch, and independently worked in building reusable microservices by enabling API Authentications.
- o Conduct code reviews, provide coding standard recommendations, and resolve vulnerabilities.
- o Keep application containers up to date following organizational security guidelines.

Software Engineer - Full stack, **Irisidea Tech Solutions Pvt Ltd – Feb 2021 – May 2022.**
- o As per the client's requirements created design documents and workflow diagrams.
- o Implemented Integration with External Delivery Platforms (Doordash, Ubereats/Postmates) to Enhance Automation in our Delivery Services.
- o Independently migrated third API Integration (delivery partners) into an NPM package and integrated with 2 microservices.
- o Independently transitioned cronjobs from a microservice to operate independently as a dedicated cronjob service to reduce the load on the existing microservice.
- o Developed Microservices entirely from the ground up for a PoS integration, utilizing the Jest and Cypress testing frameworks.
- o Engaged in redeveloping an application, transitioning it from AngularJS to Angular 8.

Project Engineer, **Solize India Technologies Pvt ltd – Sep 2017 – Jan 2021.**
- o Interacted with clients to understand their requirements.
- o Improved the performance and efficiency of the tool by optimizing the code base.
- o Created desktop-based applications for Data processing using Python, Tkinter, NumPy, and dictionaries.
- o Performed end-to-end testing and released tools for consumer usage.
- o Worked on Restful APIs using Node.js, and Integrating them into the UI using Angular.
- o Implemented shell and batch scripts to automate the backup of a database on a CentOS Linux system and facilitate the automatic transfer of database files from Linux to Windows, all managed through Task Scheduler.

Software Developer - Intern, **Solize India Technologies Pvt ltd – Jan 2017 – Aug 2017**
- Developed applications and administered database systems.
- Collaborated closely with internal stakeholders to elicit user requirements.
- Tested and deployed applications to the production environment.

EDUCATION

Masters in Computer Applications (MCA) - 7.5/10 - Aug 2014 – Aug 2017.
Bachelors in Science (B.sc) – 7/10 - June 2012 – June 2014.

SOFT SKILLS

- Fluent communication, critical observations, focus, time management, team management, self and dynamic learning, analytical thinking, leadership quality, and problem-solving ability.
- Languages: English, Hindi, Kannada, and Marathi.

AWARDS

- Recognized with the Client and Partner Success Award - 2022 at IBM Pvt. Ltd. and a $500 reward.
- Received Performance award for Individual contribution - 2022.