



# Pradeep Yenkuwale

## Senior Software Engineer

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 Portfolio

### PROFESSIONAL SUMMARY

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I am an accomplished Senior Software Engineer with 7.5 years of experience in designing and delivering robust software solutions. Expertise in architectural planning, including High-Level Design (HLD), Low-Level Design (LLD), technical documentation, and data flow diagrams. Proficient in client interactions, from requirement analysis to system design and solution demonstration. Proven ability to develop impactful applications, including an AI-powered assistant with text-to-text, speech-to-text, and multilingual voice interactions. Dedicated to productivity, team collaboration, and building strong client relationships.

### TECHNICAL SKILLS

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- Programming Languages: JavaScript, Python.
- Backend Development: Node.js, Nest.js, Express.js, GraphQL, FastAPI, and Flask.
- Frontend Development: Angular 13+, React.js
- Software Architecture and Design:
  - **Architectural Patterns:** MVC, REST APIs, Microservices.
  - **Design and Documentation:** High-Level Design (HLD), Low-Level Design (LLD), Data Flow Diagrams, Creating technical documentation, and solution blueprints.
- Databases: SQL databases (MySQL, SQL Server, IBM DB2) and NoSQL databases (MongoDB, IBM Cloudant).
- Tools and Technologies: NPM package development, RabbitMQ, Kafka, Git (GitHub/GitLab), JIRA, Confluence, Postman, SoapUI, VS Code, and PyCharm.
- Cloud & DevOps: AWS, IBM Cloud.
- Generative AI: OpenAI (GPT-4o, Whisper), Gemini, WatsonX, pytsx3.
- Development Practices: Software Development, Full Stack Development, Backend Development, and Architectural Solutions.
- Operating Systems: Windows, Linux, and Mac.

### PROFESSIONAL EXPERIENCE

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#### **Senior Software Engineer – Full stack, Almatar Software Solution Pvt Ltd - Mar 2024 – Present**

- Architected and deployed scalable solutions for seamless system interoperability and infrastructure design.
- Implemented an AI-driven chatbot using Python and ChatGPT (GPT-3.5-turbo), enabling dynamic user data training and multilingual support (3+ languages), later evolving the prototype into a robust FastAPI-powered backend.
- Built an intelligent recommendation engine, increasing user engagement by 20% by merging data-driven services and rule-based systems.
- Orchestrated the integration of domestic and global airlines into the Almatar platform, expanding service reach by 10%.
- Led strategic technical discussions, driving 4+ feature enhancements to optimize performance.
- Built RESTful APIs and optimized backend workflows, resulting in 40% faster response times. Coordinated with diverse teams to ensure smooth integration.

#### **Senior Software developer – Full stack, IBM India Pvt Ltd - June 2022 – Feb 2024**

- Designed and developed scalable Node.js microservices to support high-traffic applications, achieving 50% automation of global voice services.
- Guided a team of 4 developers, providing technical expertise and task delegation, leading to on-time project delivery.
- Automated AT&T DCP operations across 60+ countries, reducing manual effort by 90%, cutting costs by 70%, and improving latency by 20% using microservices and REST APIs.

- Managed cloud deployments, implementing security protocols that reduced vulnerabilities by 30%.
- Built microservices from the ground up with reusable architecture and secure API authentication while performing code assessments to enforce best practices and mitigate security risks.
- Maintained and optimized containerized applications, adhering to enterprise security protocols.

***Software Engineer - Full stack, Irisidea Tech Solutions Pvt Ltd – Feb 2021 – May 2022.***

- Created technical design documents and workflow diagrams, reducing project onboarding time by 20% and improving cross-team collaboration.
- Integrated external delivery platforms (DoorDash, UberEats, Postmates) and refactored third-party APIs into a reusable NPM package, boosting order processing efficiency by 25% and reducing development time by 30%.
- Decoupled and restructured cron jobs, creating a standalone service that improved task execution efficiency by 30%.
- Developed microservices for PoS system integration, using Jest and Cypress to achieve 90%+ test coverage and reduce post-deployment bugs by 50%.
- Revamped an existing application, migrating it from AngularJS to Angular 8 for improved performance and maintainability.

***Project Engineer, Solize India Technologies Pvt Ltd – Sep 2017 – Jan 2021.***

- Collaborated with clients to gather requirements, ensuring 98% satisfaction in project outcomes
- Enhanced tool efficiency by optimizing codebase, reducing execution time by 30%.
- Implemented and deployed Python-based desktop tools with end-to-end testing, reducing manual effort by 50%.
- Designed and integrated RESTful APIs using Node.js, seamlessly linking them with Angular-based UI components.
- Automated database backups with batch scripts and shell scripts (80% reduction in manual work).

***Software Developer - Intern, Solize India Technologies Pvt Ltd – Jan 2017 – Aug 2017***

- Developed applications and administered databases, maintaining optimal performance.
- Collaborated with internal stakeholders, gathering requirements and achieving 100% alignment with user expectations.
- Tested and deployed applications to production, maintaining stable performance and minimal downtime.

## **EDUCATION**

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**Masters in Computer Applications (MCA)** - 7.5/10 - Aug 2014 – Aug 2017.

**Bachelor's in Science (B.Sc)** – 7/10 - June 2012 – June 2014.

## **SOFT SKILLS**

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- Fluent communication, Leadership, Analytical Thinking, Agile Collaboration.
- Critical observations, focus, time management, team management, self and dynamic learning, and problem-solving ability.
- Languages: English, Hindi, Kannada, and Marathi.

## **AWARDS**

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