

Pradeep Yenkuwale

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PROFESSIONAL SUMMARY

Lead Software Engineer / Tech Lead (Backend & Architecture) with 8+ years of experience delivering scalable, cloud-native, and microservice-based solutions. Strong expertise in system design (HLD/LLD), backend architecture, performance optimisation, and engineering leadership. Proven ability to convert business requirements into robust technical strategies, mentor teams, and drive high-impact outcomes across distributed systems. Experienced in building intelligent, AI-powered applications and improving the reliability, observability, and performance of large-scale platforms.

TECHNICAL SKILLS

- **Core Expertise:** Software Architecture, System Design (HLD/LLD), Microservices, Distributed Systems, Scalable API Design, Solution Blueprints, Technical Documentation.
- **Programming & Backend:** Node.js, NestJS, Express.js, Python (FastAPI, Flask), GraphQL.
- **Frontend:** Angular (13+), React.js.
- **Databases:** MySQL, MongoDB, IBM DB2, SQL Server.
- **Cloud & DevOps:** AWS (EC2, S3, Lambda, IAM), IBM Cloud, Kafka, RabbitMQ, MQTT.
- **AI & Automation:** Generative AI (GPT-4o, Whisper, Gemini), OCR & Image Processing (OpenCV, Tesseract).
- **Leadership & Collaboration:** Team Mentorship, Code Reviews, Agile Delivery, Stakeholder Communication, Cross-Functional Coordination.
- **Tools:** Git, JIRA, Confluence, Postman, VS Code, PyCharm, Grafana, and Internal Dashboard Builders.

PROFESSIONAL EXPERIENCE

Senior Software Engineer – Full Stack, Almatar Software Solution Pvt Ltd, - Mar 2024 – Present

- Led backend architecture and development for scalable, microservice-based systems, ensuring reliability and long-term maintainability.
- Drove major performance improvements by resolving SonarQube issues and optimising service-level bottlenecks — significantly improving internal developer scoring and API response times.
- Achieved up to **40% faster API response times** and improved internal developer performance scores by **20%** through targeted optimisation and refactoring efforts.
- Partnered with the **COE team** to elevate platform observability; built Grafana dashboards, API health monitors, traffic analysis, and automated alerts for proactive incident detection.
- Owned **HLD/LLD creation**, architecture diagrams, and data flow designs for new features and system enhancements, ensuring strong cross-team technical alignment.
- Built and deployed an **AI-powered multilingual chatbot** using Python, FastAPI, and GPT models.
- Developed a **branded fare recommendation engine**, driving a **20% engagement increase** and **40% growth in add-on sales**.
- Developed an **Airline recommendation service**, increasing user engagement by **20%**.
- Integrated domestic and international airline systems, expanding ecosystem capabilities and operational efficiency.
- Mentored junior developers through code reviews, debugging guidance, KT sessions, and hands-on training on tools like **Grafana, internal dashboard builders, and functional testing workflows** - improving code quality and delivery efficiency.

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 optimised containerised 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, Uber Eats, 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%.
- Designed and implemented reusable UI components in Angular to reduce code duplication, simplify the codebase, and enhance overall maintainability and scalability.
- 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 optimising the 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 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

Master's in Computer Applications (MCA) – CGPA: 7.5/10 - Aug 2014 – Aug 2017.

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

SOFT SKILLS

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

AWARDS

- Recognised 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.