

Pradeep Kumar

Senior Solution Architect

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ABOUT & EXECUTIVE SUMMARY

Experienced Solution Architect with **14+ years** of engineering experience (Career start: Aug 14, 2012), adept in Backend, Frontend, Mobile, and Full-Stack development. Currently pursuing **e-PG Diploma in Artificial Intelligence & Data Science from IIT Bombay (C-MInDS)**. Dedicated to agile methodologies, test-driven development, microservices, cloud-native solutions, and active open-source contributions.

EDUCATION & HIGHER QUALIFICATIONS

e-PG Diploma in Artificial Intelligence & Data Science — *IIT Bombay (C-MInDS)*

Currently Pursuing

Centre for Machine Intelligence and Data Science

(<https://www.minds.iitb.ac.in/academic-details/e-pg-diploma-in-ai-and-ds>)

Bachelor of Technology (B.Tech) — *Ch. Devlal Memorial Govt. Engg. College, Sirsa*

2008 – 2012

Achieved 70.04% marks in engineering & technology coursework.

PROFESSIONAL & TECHNICAL SKILLS

Core Competencies: Microservices Architecture, API Design & Management, Cloud-Native Systems, Mobile App Development, Technical Leadership, Agile Project Management, Security & Compliance, Blockchain & Cryptographic Identity.

Backend & Languages: Java, Python, Spring Boot, Spring, Jetty, Node.js, Express, Koa, PHP, Drupal, REST & GraphQL APIs

Databases & Streaming: MongoDB, MySQL, Redis, Sequelize, Cassandra, Kafka, WebSockets / Socket.io

Frontend & Mobile: ReactJS, React-Native, Redux, VueJS, Vuex, PWA, Angular, Ionic, KnockoutJS, HTML5/CSS3, Sass

Cloud & Testing: AWS, Google Cloud, Azure, Firebase, Jest, Cypress, TDD

PROFESSIONAL EXPERIENCE

Senior Solution Architect — *Tappp, Pune*

MAR 2024 - PRESENT

- Designed and implemented scalable, cloud-native architectures on AWS, improving overall system reliability and reducing operational costs by 20%.
- Collaborated with cross-functional teams to align tech solutions with business goals, achieving a 15% increase in user engagement.
- Led the adoption of microservices architecture, streamlining deployment processes and improving development flexibility.
- Mentored junior engineers, promoting best practices in solution architecture and DevOps.

Solution Architect cum Senior Tech Lead — *Paytm, Noida*

MAY 2022 - MAR 2024

- Architected and deployed secure, scalable digital payment solutions powering high-concurrency payment streams.
- Crafted resilient web applications and robust backend microservices with precision.
- Championed engineering projects, overseeing product development, code reviews, and release lifecycles.

Software Engineer IV (Solution Architect) — *Walmart, Bengaluru*

DEC 2020 - MAY 2022

- Spearheaded the design of robust, scalable enterprise systems aligned with business objectives.
- Prioritized code quality, conducted in-depth analyses of technical debt to enhance system efficiency.
- Led code review initiatives, release planning, and deployment schedules across associate platforms.

Technical Leader (AI Studio) — *Netomi, Gurugram*

MAY 2018 - DEC 2020

- Architected and coded scalable systems at Netomi AI Studio for AI-powered virtual assistants and chatbots.

- Mentored team members, managed project milestones, and negotiated stakeholder expectations effectively.
- Awarded 'Best Leader' for successfully leading key engineering development projects.

Senior Software Engineer — *Evernym (An Avast company), Hyderabad*

JAN 2015 - MAY 2018

- Headed a dynamic team of four engineers, leading front-end and full-stack development for Sovrin & Connect.Me.
- Authored scalable, modular front-end code for digital identity wallets enabling cryptographic credential proofs.

Software Engineer — *Soldag Technologies, Gurugram*

AUG 2012 - DEC 2014

- Managed full project lifecycle from conception to execution, collaborating with international clients.

TOP PROJECTS & OPEN SOURCE CONTRIBUTIONS

- **TAPPP MicroApp Platform:** Real-time sports betting micro-app platform integrated into live TV broadcasts (Major League Rugby partnership) with live odds.
- **Paytm Incentive Management:** Enterprise web application for designing, tracking, and optimizing employee reward programs.
- **Me@Walmart App:** All-in-one mobile app serving Walmart associates and career seekers across multi-device ecosystems.
- **React Native Key Store (Open Source):** Secure key storage library for iOS KeyChain & Android KeyStore using Java & Objective-C (github.com/pradeep1991singh/react-native-secure-key-store).
- **Sovrin Network Infrastructure (Open Source):** Public ledger and decentralized identity network platform enabling self-sovereign digital identity (SSI) using Python & C++ (github.com/sovrin-foundation/sovrin).

HONORS, AWARDS & INTERESTS

- **Best Leader Award:** Recognized for successfully leading engineering development and project execution.
- **Extra Mile Award:** Recognized as the first and only engineer to complete the reflections assignment.
- **Activities & Interests:** Science Fest Coordinator, 10km Marathon Runner, Anime, Table tennis, Badminton, Cricket, Foosball.