

PRADEEP GUDIPATI

Senior Director - Delivery | AI & Cloud Architect | Digital Innovation Specialist

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Hyderabad, India



SUMMARY

Visionary Leader and AI Architect with 21+ years of experience building large-scale digital platforms, CPaaS architectures, and LLM-based systems. Proven record of transforming and scaling global engineering teams (up to 120+), driving AI-first product innovation, and operationalizing pipelines for measurable business impact.

Co-Founder of Kovaad, an AI therapeutic platform leveraging LangChain, Pinecone, and Firestore to power context-aware conversational agents.

I am ISB GMP alumnus combining startup agility with enterprise-scale delivery across Fintech, SaaS, and Generative AI domains. A hands-on technologist deeply passionate about building intelligent, modern applications.

Skilled in full-stack development with React, Next.js, NestJS, Firebase, and Python/FastAPI, specializing in rapid prototyping, cloud-native deployment (AWS, GCP), and LLM integration using LangChain and vector databases. Adept at translating AI research into production-grade systems through rigorous engineering, observability, and automation.

Currently focused on designing conversational AI platforms and intelligent microservices that scale efficiently and deliver real-time value. Equally, comfortable architecting distributed systems, writing inference pipelines, or optimizing CI/CD workflows for high-velocity teams.

EXPERIENCE

Fractional CTO - Consulting

VASPP, Vindago Innovations 11/2025 - Present Location

- System design, Product Development, UI Design, UX Design and Leading a team.
- Led a team of 4 members through system design, product development, UI, and UX design for a complex analytics platform.
- Increased sales insights accuracy by 50% by developing an Enterprise Sales Analytics system with advanced data visualization techniques.

Chief Technology Advisor

Kovaad Technologies Private Limited

02/2024 - Present Remote

Building an AI platform enabling therapeutic conversational agents for neurodiverse users.

- Designed context-aware LLM architecture integrating LangChain + Pinecone for vector memory retrieval.
- Enhanced multi-agent chat orchestration using OpenAI and Gemini APIs & langchain.
- Implemented Lang Smith-based observability for token tracking and conversation analytics.
- Filed a provisional patent for a context-sensitive AI agent framework.
- Deployed multiservice architecture using Kong API Gateway, Firebase, and Redis.
- Redis, Firebase, NoSQL, Google GCP, Kong, React, Next, TypeScript, FastAPI, Python, HTML, Tailwind CSS, REST API, End-To-End Testing, Jest, Playwright, API Gateway, PostgreSQL.

KEY ACHIEVEMENTS

- AI led Delivery**
Accelerated Delivery using AI tools for Coding, automation, deployment, system design.
- AI Therapeutic Agents**
Built AI platform, boosting therapeutic interactions for 50 users daily.
- Accelerated Releases**
Reduced 70 teams' release time to 10 minutes using CI/CD.
- Team Retention Growth**
Led 25% YoY team retention improvement by fostering engineers as leaders.
- Recruitment Optimization**
Automated Analysis of 100k resumes to streamline recruitment for diverse global teams.

EDUCATION & CERTIFICATIONS

M.Tech. -CSE - 2026

JNTU Hyderabad

Project Management Professional (PMP)®

Project Management Institute

Certified SAFe® 6 Practice Consultant

Scaled Agile, Inc.

General Management Program

ISB Hyderabad

Google Cloud Big Data & Machine Learning Fundamentals

Google

Creating Successful new Products at IIM Bangalore

Indian Institute of Management, Bangalore

Bachelors in Engineering - 2004

Goa University

AWARDS

- SAP and Google Apps Challenge
- SAP Mobile Apps Challenge for Windows 8 and Windows Phone 2014

EXPERIENCE

Technical Matcher

Turing 📅 08/2024 - 01/2026 📍 Hyderabad, India

- Streamlined recruitment processes through automation, enhancing resume matching and candidate deduplication.
- Utilized Google AppScript, OpenAI API, and Python to optimize interview assessments and workflows resulting in 10k+ interview transcript analysis + 100k resume reviews.
- Designed & built a solution for Interview Analysis with a database of 300k resume reviews.

Head Of Engineering

tonik 📅 06/2021 - 05/2024 📍 Chennai, India

- Oversaw a team of 70–120 members across mobile, backend, QA, and DevOps, delivering digital banking products to 3M+ users in Southeast Asia.
- Reduced release time from multiple hours to 10 minutes via full CI/CD automation using Jenkins, GitHub Actions, AWS Code Build and Docker.
- Increased QA throughput by 60% by migrating automation from Java to Python-based testing pipelines.
- Introduced observability dashboards and Git Ops-based workflows, improving deployment reliability and incident resolution speed by 40%.
- Built internal AI prototypes (Customer Service Chat, fraud detection) using OpenAI, Pinecone (Vector DB for Knowledge), and Anyscale (Multiple LLMs).
- Cultivated senior engineers into capable tech leads, driving a 25% YoY improvement in team retention and achieving a 70% success rate in hiring high-performing engineers who became award-winning contributors.
- Android, iOS, React Native, Java Spring-boot, TypeScript, PHP, Drupal, Python, OpenAI, Docker, AWS, Google GCP, BigQuery, ETL, Jenkins, GitHub Actions, E2E Testing, Agile, GitOps, Git, Terraform, Conflict Resolution, Selenium, JMeter, Appium, Synk.

Head Of Development

Wave Money 📅 03/2020 - 05/2021 📍 Yangon, Myanmar

- Increased mobile wallet user base by {25%} by overseeing execution of financial inclusion initiatives in Myanmar.
- Increased transaction efficiency by 25% by leading the development of Wave Agent and Wave Pay systems.
- Integrated CI/CD workflows with test automation, significantly improving release confidence and efficiency.
- Android, iOS, MuleSoft, OWASP, Synk.
- Led development of Wave Agent and Wave Pay, processing over 2m+ transactions monthly, enhancing payment reach.

Senior Technology Manager / Program Manager

Innominds 📅 07/2018 - 03/2020 📍 Hyderabad, India

- Spearheaded the delivery of Inventa platform, enhancing retail engagement via Smart Beacons.
- Managed build development, optimizing resource consumption through energy analytics.
- Delivered QC SIP VR app, revolutionizing remote gaming with VR streaming over 5G.
- Directed operations for Microsoft Dynamics CRM Offshore Development, overseeing 30+ engineers.
- Oversaw enterprise customization, deployment, and performance optimization projects.
- Implemented process improvements to enhance delivery cadence and increase team retention.
- Championed collaboration initiatives among engineering, QA, and delivery leadership.

PROJECTS

SEG Automotive

📅 11/2025 - Present 📍 Location

Cost and Sales Analytics

- Digitalizing the current Excel based workflows to optimize speed, accuracy and analytics of cost and sales.

Kovaad

📅 01/2024 - Present 📍 Location

AI platform for neurodiverse individuals to practice, improve, and gain confidence through personalized conversations.

- 25 neurodiverse children practicing communication skills on Kovaad daily.
- Scaling to 50 in a few months.

Tonik Bank Application

📅 06/2021 - 02/2024 📍 Location

Tonik is transforming banking in Southeast Asia, targeting \$140B retail deposits and \$100B lending in the Philippines. We offer a simple, digital-only bank for both existing and 70% unbanked Filipinos. With high internet usage, the Philippines is ready for digital banking leadership.

- Increased user Lifetime Value by {35%} by implementing targeted engagement and retargeting User Engagement Journeys.
- Oversaw the deployment of multiple successful loan products keeping quality and efficiency high.
- Core member of System design review committee.
- Setup metrics and measures to gauge efficiency of teams.
- API Security Team coordination.

Wave Agent & Wave Pay

📅 03/2020 - 04/2021 📍 Yangon

WaveMoney, Myanmar's largest wallet app, enables public money transfers anywhere. Wave Agent app allows money withdrawals and OTC transfers. Customers without WavePay or bank accounts can transact via nearby agents. Services include withdrawals, transfers, and bill payments.

- Successfully set up best practices for Agile.
- Coordinated approx 18 new feature deployments in 14 months.
- Part of System architecture review committee.
- Managed a team of 15 - Mobile + Backend API team.

QC SIP VR project

📅 10/2019 - 03/2020 📍 Location

Qualcomm's VR game streaming app streams games from engines like Steam to 5G HMDs, connecting to cloud VMs. Utilized Drachtio SIP for HMD-game engine calls. Node.js plugin dispatches calls to available VMs. Data on VMs, HMDs, and calls is displayed in-browser. Streams start/stop with call.

- Successfully coordinated deployment of solution on in-House 5G network of QC.

EXPERIENCE

Technical Manager

Innominds 📅 02/2016 - 06/2018 📍 Hyderabad, India

- Managed multi-platform mobile development projects across Java, C#, AngularJS, Android, iOS, and Node.js for global clients in healthcare and fintech
- Served as the technical lead for Axway's Client SDK Generator, enhancing cross-platform integration
- Led a 7-member team in collaboration with Deloitte to deliver a HIPAA-compliant Clinical Research mobile solution
- Mentored junior developers in mobile-specific DevOps workflows and API integration best practices
- Microsoft Dynamics CRM, React, NodeJS, Python, JavaScript

Mobile Technology Head and Innovation leader

Innovapptive Inc 📅 03/2015 - 02/2016 📍 Hyderabad

- Led a cross-platform mobile team of 70+ engineers (Android, Windows, iOS, JavaScript) fostering a culture of innovation and problem-solving.
- Streamlined operations with CI/CD tools (Jenkins) and project management (JIRA, Confluence).
- Established coding standards (Java, Android, iOS) for code quality.
- Implemented Agile methodology (Scrum) using JIRA for efficient development.

Cofounder & Mobility Services Head

VASPP Technologies 📅 01/2013 - 03/2015 📍 Bengaluru, India

- Co-founded VASPP Technologies, specializing in enterprise mobility and SAP consulting for major clients like SAP AG and the Qatar Government.
- Led a diverse team of 21, mentoring on SAP Fiori and mobile-first development practices.
- Successfully delivered multiple SAP Fiori-based HCM modules for the Qatar Ministry, enhancing workflow efficiency.
- Achieved recognition in two global innovation challenges, showcasing our commitment to cutting-edge solutions.
- SAP Fiori, Web Applications, Android, iOS, PHP, WordPress, Joomla.

Lead Engineer (Enterprise Mobility)

Innominds 📅 08/2010 - 01/2013 📍 Hyderabad, India

- Led R&D and solution engineering efforts on Sybase Unwired Platform (SUP) and later SAP Mobile Platform (SMP), focusing on scalable mobility solutions for enterprise clients.
- Designed mobile enablement strategies for SAP modules, including offline support, push-based sync, and role-specific UX adaptations for iOS and Android.
- Built proof-of-concept applications and demo solutions for client proposals across logistics, HR, and field service automation verticals.
- Collaborated with SAP product teams and pre-sales groups to create solution blueprints, handle feasibility studies, and present architecture walkthroughs to enterprise clients.
- Played a key role in early evaluations of Fiori and SAPUI5 for mobile delivery before their mainstream adoption.

Application Systems Developer/Designer

MoadBus Inc

📅 01/2009 - 07/2010 📍 Paramaribo, Suriname & Hyderabad, India

- Developed the entire suite of Mobile Solutions for MoadBus on J2ME based mobile devices.

Various Positions : Module Lead, Software Engineer

Wipro Technologies, Innominds, Aurona Technologies

📅 08/2004 - 01/2009 📍 Oulu, Finland & Hyderabad, India

- App development - Lead a 4 member team. SMS, OMS, MMS, NFC.
- Provided automation testing expertise for TI-IDE during a stint at Texas Instruments Bangalore ODC.
- Mobile Games porting.

PROJECTS

Microsoft Dynamics CRM 365

📅 03/2017 - 07/2019 📍 Location

Program Director and Project Manager for around 30 members of the Microsoft ODC team working with Microsoft Engineers in developing the multiple and varied features of the Dynamics CRM.

- Project Manager to Program Manager in 3 months.
- Handled 6 teams of 3-4 members.
- Directed MS CRM function development + Automation testing.

Axway SDK Client Code Generator

📅 08/2016 - 12/2017 📍 Location

Developed a NodeJS app to generate mobile app code. Managed iOS-Swift, Android, NodeJS, Cordova & Titanium integration. Technically involved in building Swift & Android sample apps & templates.

- Developed auto-code generation tool, resulting in 50% increased efficiency for Android, iOS, and Titanium platforms.
- Increased API functionality usage by 25% through developing 5 test applications for auto-generated code validation.

Innovapptive's mInventory & mWorkOrder

📅 03/2015 - 02/2016 📍 Location

Innovapptive's RACE™ boosts reliability, efficiency, compliance, and sustainability.

- Guided Android/iOS team for UNICEF deployment.
- Successfully scaled the Windows App team, resulting in a 100% increase in app development efficiency.

QATAR Government MOAD - Fiori HCM applications

📅 11/2014 - 03/2015 📍 Location

Working with the Ministry of Administrative Development to build the SAP FIORI HCM applications for Leave Request Create/Approve/History and Paystubs. Later will be developing custom applications for most of the HCM processes including personal details, Entitlements, Vacation bonus.etc.

- Improved HCM efficiency by deploying a Fiori application for Qatar's Internal Govt., impacting 10k users.