

Vinay Kumar Challuru

Solution Architect & Lead | Python Expert | Cloud Solutions

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PROFESSIONAL SUMMARY

Solution Architect and Lead with over 13 years of IT industry experience. Expert in building innovative cloud-native platforms (Azure, AWS, GCP) and embracing AI evolution through agentic development. Extensive domain knowledge in **Retail, Insurance, Banking, and Hospitality** industries. Proficient in Python, REST APIs, Microservices, and SQL. Proven track record in project management, Agile delivery, and leading cross-functional teams.

SKILLS & EXPERTISE

- **AI & Agentic Systems:** AI-Augmented Development, AntiGravity, Large Language Models (Claude, Gemini), Emerging AI Technologies
- **Backend & API:** Python, RESTful Web Services, Microservices Architecture, Relational Databases (SQL)
- **Infrastructure:** Microsoft Azure, AWS & GCP, Serverless Architectures, Containerization (Docker), Linux & Shell Scripting
- **Engineering Quality:** Code Profiling, Performance Optimization, Load Testing, Gap Analysis
- **Leadership:** Agile / Scrum, Team Leadership, Stakeholder Management, Technical Mentorship

WORK EXPERIENCE

Solution Architect

GyanSys - Chennai, India (Jul 2023 - Present)

- Architected and deployed scalable serverless solutions on Azure for premier hospitality clients.
- Optimized infrastructure for high availability using Nginx and Gunicorn load balancing.
- Spearheaded cloud-native platform development and mentored engineering teams on emerging technologies.
- Orchestrated delivery of mission-critical projects and facilitated cross-functional API training.

Python Lead Developer

Solaris Softlabs - Chennai, India (Sep 2022 - Jun 2023)

- Engineered robust backend API workflows for proprietary hospitality solutions.
- Directed technical teams, overseeing project lifecycles and enforcing rigorous code quality standards.
- Strategized with stakeholders to optimize Azure cloud resource management.

Senior Technical Lead

Kimeka - Chennai, India (Oct 2021 - Aug 2022)

- Collaborated with clients to translate business requirements into scalable technical architectures.
- Cultivated engineering excellence through technical mentorship and performance optimization workshops.
- Served as the primary technical liaison for client communications within Agile frameworks.

Technical Lead

Future Focus Infotech - Chennai, India (Aug 2019 - Oct 2021)

- Facilitated Agile/Scrum ceremonies while championing industry-leading development best practices.
- Modernized legacy systems through automated validation frameworks and code quality refactoring.

Sr. Developer / Associate

Cognizant - Chennai, India & Bentonville, AR (Nov 2012 - Aug 2019)

- Engineered production-grade automation, optimized algorithmic performance, and collaborated with business stakeholders to resolve complex production challenges.
- Led development of production-ready automation scripts and migrated legacy data migration frameworks.

- Collaborated directly with business users in the US (Bentonville, AR) to resolve mission-critical production issues.
- Automated recurring manual activities using Bash scripting, significantly reducing operational overhead.

EDUCATION

M.S. Software Engineering - VIT University, Vellore, India

KEY ACHIEVEMENTS

- Improved Client's core computation logic performance by **70%** using code profiling tools.
- Implemented robust serverless solutions using **Azure Functions** for critical business workflows.
- Developed automated Shell scripts recognized in the Cognizant Innovation Portfolio.
- Recipient of multiple awards including **Delivery Excellence Award** and **Accountability Award**.

STRENGTHS

Adaptable, Self-starter, Process oriented, Versatile, Leadership, Open minded