Bhanu Pratap

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Driving innovation at the intersection of architecture, AI, and DevSecOps—leading high-performing teams to build secure, scalable systems that deliver measurable business impact.

Professional Summary

Experienced Designer, Architect, and Technical Lead with a proven track record of delivering innovative, secure, and scalable solutions that drive measurable business outcomes. Specialized in system design, enterprise architecture, generative AI, and cloud-native infrastructure across Azure and AWS. Skilled in CI/CD automation, ethical AI implementation, and aligning IT strategies with organizational goals. Known for leading digital transformation initiatives, building high-performing teams, and developing strategic technology roadmaps.

Key Achievements

- Designed and deployed microservices-based applications on Azure and AWS, enhancing system scalability and reducing deployment time by 40% through optimized architecture and automation
- Led platform engineering initiatives across Cloud DevSecOps, automation, integration, and Generative AI/ML, accelerating time-to-market by 30%
- Integrated RAG-enabled Generative AI/ML tools, enabling developers to prototype and test features more efficiently with internal datasets
- Modernized end-to-end product and CI/CD pipelines—from ticket creation to release—achieving 99.9% build and release reliability and ensuring full audit-readiness in compliance-driven environments.
- Directed cloud and Kubernetes migration and governance programs, collaborating with executives and product teams to achieve 100% cloud adoption and deliver scalable, secure infrastructure across key business units.
- Led development and operations of the Cloud Services business unit, driving channel strategy, partner selection, and contract execution, resulting in a 25% increase in partner-driven revenue
- Mentored cross-functional teams on agile delivery and cloud-native best practices, increasing developer productivity and building a team of 20 platform engineers

Skills

Cloud & Infrastructure	AWS, Azure, Terraform, Bicep, Pulumi, Docker, Kubernetes (AKS/GKE/EKS), OpenShift, Knative, Istio, API Management, SDN, Migration, Cloud Security

Architecture & Design	Microservices, Serverless, Event-Driven, Distributed Systems, Fault Tolerance, Scalability, Hybrid/Multi-Cloud, APIs/Integration
AI/ML & Data	LangChain, LangGraph, Azure AI Tools, Hugging Face, MLOps, LLMOps, Data Factory, Databricks, ETL Processes, AI Ethics/Governance, Agno, LlamaIndex, Vector DBs, RAG, AI Agents
DevOps & Automation	CI/CD(Azure DevOps, GitHub Actions, Jenkins, TeamCity), GitOps(ArgoCD), Monitoring(Grafana, Prometheus), Logging(OpenTelemetry, Fluentd, OpenSearch), IaC
Programming & Scripting	Python, Java, JavaScript, Bash, PowerShell
Security & Compliance	NIST, GDPR, Risk Management, IAM, Vulnerability Checks (BlackDuck, SonarQube), Data Protection, Incident Management
Leadership & Strategic Skills	Team Mentoring, Stakeholder Engagement, Change Management, Agile/Scrum, Negotiation, Problem-Solving
Industry Knowledge	Telecommunications, Fintech, Insurance, Banking, Cloud Services, AI/ML Solutions

Professional Experience

2022–Present — **Principal Application and Product Architect**, *Wolters Kluwer*, Alphen aan Den Rijn, Netherlands

- Designed and deployed microservices-based applications on Azure and AWS, enhancing scalability and reducing deployment time by 40% through architectural optimization and automated workflows.
- Led platform engineering initiatives across Cloud DevSecOps, automation, integration, and Generative AI/ML, accelerating time-to-market by 30%
- Integrated RAG-enabled Generative AI/ML tools, enabling developers to prototype and test features more efficiently with internal datasets
- Modernized end-to-end product delivery and CI/CD pipelines—from ticket initiation to production release—achieving 99.9% reliability and ensuring full audit-readiness in compliance-driven environments.
- Directed cloud and Kubernetes migration and governance initiatives, partnering with executives and product teams to achieve 100% cloud adoption across key business units and ensure scalable, secure infrastructure.
- Mentored cross-functional teams on agile delivery and cloud-native best practices, increasing developer productivity and built and led a team of platform engineers of 20 members.

2021–2022 **Business Infrastructure Architect**, *Maistering B.V.*, Rotterdam, Netherlands
- Led development and operations of the Cloud Services business unit, driving channel strategy, partner selection, and contract execution, resulting in a 25% increase in partner-driven revenue
- Managed vendor and stakeholder relationships, directed cloud migration projects, and implemented governance frameworks, achieving 30% reduction in operational costs
- Onboarded 15 mid-sized customers to Maistering's AI platform, overseeing infrastructure setup and integration, enabling 100% SLA compliance during deployment
- Revitalized unified data protection program as Data Protection Officer for Maistering App and enterprise, ensuring full alignment with GDPR and ISO 27001 standards
- Collaborated with C-suite executives to define product priorities, implementation plans, and integration strategies, while ensuring NIST compliance across all technical presales and led PoC efforts securing 5+ new contracts.

2019–2021 **Principal Cloud DevSecOps architect**, *Maistering India private limited*, Bangalore, India
- Launched and scaled the DevSecOps initiative from the ground up, establishing automated workflows that improved product delivery speed by 35% while ensuring security and compliance
- Developed advanced Infrastructure-as-Code (IaC) scripts using Bicep and Terraform for rapid provisioning of Azure infrastructure, increasing deployment reliability by 40%
- Addressed critical non-functional requirements (NFRs) including performance benchmarking, IAM, audit logging, incident management, and code quality enforcement via SONAR, resulting in zero critical vulnerabilities post-deployment
- Implemented MLOps pipelines for AI teams, enabling streamlined model training and deployment, and led migration to microservices architecture using Docker, Kubernetes, Istio, and Azure API Gateway, reducing release cycles by 50%
- Created ETL solutions for heterogeneous data sources and automated mobile app build and distribution via Microsoft App Center, achieving 99.5% crash-free sessions and enabling real-time monitoring and disaster recovery

2011–2019 **Implementation Consultant**, *Tata Consultancy Services*, Bangalore, India
- Customers
  - **LF Bank Sweden**
  - **MN Netherlands**
  - **Old Mutual International UK**
  - **Christian mutuality Belgium**
  - **DHFL Insurance Gurgaon India**
- Created clear and streamlined installation and operation manuals for TCS BaNCS, enabling customers to manage products independently and reducing support requests significantly.
- Addressed key non-functional requirements (NFRs) including performance benchmarking, role-based access, audit logging, security testing, and code quality checks using SONAR, improving system reliability and compliance.
- Recognized for expertise as an Oracle DBA and Fusion Middleware Suite Administrator, excelling in provisioning, backup/recovery (RMAN), OEM, and troubleshooting across WebLogic, JBoss, RAC Exadata, and containerized environments
- Promoted to DevOps Architect, designing robust CI/CD pipelines and agile processes; later transitioned to Integration Specialist, successfully integrating fintech components with internal and external systems; also served as Release Manager, ensuring 100% on-time delivery of project milestones
- Appointed as Technical & Infrastructure Architect for the Insurance Administration platform migration to TCS BaNCS, proactively optimizing processes and mitigating risks to ensure a successful go-live with zero critical issues

2010–2011 **software developer**, *LG Soft India*, Bangalore, India
- ○ Developed multiple user interfaces for the Bluetooth alarm project, with hands-on experience in installation and resolving issues related to call and SIM toolkit domains.
- ○ Proactively contributed to testing and debugging call and SIM toolkit issues using tools from various vendors, participated in UI design for applications, and supported migration from Android 2.2 to 2.3 with thorough testing of call and radio telephony domains.

Education

2006–2010 **BE in Telecommunications**, *Dayananda Sagar Institutions*, Bangalore, India

Certifications

2023 Microsoft Azure Architect Technologies

2020 Certified Kubernetes Administrator (CKA)

Languages

English Fluent

Hindi Native

Dutch Intermediate