# PRASHANTH KALLU

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Experienced technology leader with a 14+ years demonstrated history of building customer-oriented solutions in an iterative methodology leveraging modern, transformational technology initiatives focused on creating great cultures and environments with an emphasis on innovation and delivery

## PROFESSIONAL SUMMARY

- Developed resilient architecture solutions leveraging cloud-native services, virtualization, microservices, APIs, and modern software languages
- Hands-on experience with AWS, Azure, Pivotal Cloud Foundry, Docker, AWS EC2, ECS, RDS, ELB
- Strong experience in Cloud orchestration/Configuration services such as Kubernetes, AWS Code Pipeline, Harness
- Led cloud transformation, migration and adoption projects
- Solid understanding of DevOps principles, Continuous Integration/Continuous Delivery (CI/CD) process
- Architected solutions leveraging Infrastructure as a Service (IaaS), Platform as a Service (PaaS), Container as a service (CaaS), function as a service (FaaS) and software as a service (SaaS)
- Led R&D, POC and Pilot with deployment, monitoring and operations tools
- Hands on experience in designing and implementing- Predictive Monitoring Framework using Machine Learning (ML) and Artificial Intelligence (AI)
- Experienced in designing enterprise applications with zero downtime deployments
- Led cross functional teams to conceptualize, launch and deliver multiple IT projects on time and within budget
- Strong aptitude for learning new technologies and understanding how, when and where to leverage them
- Exceptional critical thinking skills; ability to decompose complex problems, prioritize issues, and implement sensible solutions
- Demonstrated ability to work across and influence in a large complex organization with excellent interpersonal, communication and presentation skills

## PROFESSIONAL EXPERIENCE

**Nationwide Insurance, Columbus, OH**
**Manager, Cloud Site Reliability Engineering**                                    Sep 18 – Present

- Build, lead, and mentor team of 12 SRE engineers to execute Nationwide's strategic vision for cloud
- Developed working partnerships with stakeholders and product owners to deliver cloud solutions
- Created SRE technical target state strategy and roadmap to aim for running highly resilient/automated systems
- Partnered with multiple teams to apply open source solutions to reduce licensing costs by $10+ MM
- Led cloud migration events to migrate 250+ applications by providing accelerators, guidance on leveraging open source solutions, containers and cloud capabilities in secure fashion
- Developed Site Reliability Engineering principles and services that will transform the way we architect, develop and operate our applications in cloud
- Led strategy to build observability tools and pipeline automation services for platform and application teams to operate highly reliable software systems at scale
- Worked with enterprise architect, data architect and information risk management to understand business capabilities and security models
- Reviewed multiple project work streams to avoid common capabilities delivered across projects
- Led Product design, Joint Analysis and Design (JAD), sprint reviews, product backlog refinements and elaboration sessions, and transition to operations
- Drive the business and technology Book of Work (BOW) budget
- Empowered team in agile environment to increase efficiency, ship faster, learn more and solve faster
- Attended multiple conferences, brainstormed with different enterprises to adopt industry best practices

**Consultant, IT Architect (Cloud Architect)**                                    Jan 16 – Sep 18

- Collaborated with executive leadership to set target state, provide guidance and align resources against IT strategies
- Led the creation and maintenance of cloud reference documentation, including current state architecture, target architecture and roadmaps, and total cost of ownership models
- Designed and implemented autonomous solutions to decouple monolithic applications leveraging microservices and API design patterns
- Liaised with Business Sponsors to understand business objectives and priorities
- Hands-on experience with application migration from legacy on-prem to AWS saving BAU budget by $2MM
- Help drive automation capabilities through various technologies such as AWS Service Catalog templates and AWS Code pipelines for IaaS deployments

- Architected event streaming logging solutions leveraging Kafka and other open source solutions
- Led R&D on Artificial Intelligent (AI) and Machine Learning (ML) image and pattern recognition to support claims
- Worked in a multi-cloud environment (Azure & AWS) in order to orchestrate & automate deployments that were used to establish a repeatable pattern for Enterprise Hackathons
- Developed reference architectures, logical/physical diagrams, domain models, sequence diagrams, architecture decisions and all artifacts necessary for multiple projects
- Facilitated collaboration effort with McKinsey to understand the enterprise recovery of expenses and compare to equivalent cloud services across multiple cloud providers
- Analyzed multiple RPA vendors and have architected solutions for Automation Anywhere to realize $500k savings
- Led proof of concept research and development in line with emerging industry trends
- Developed comprehensive architecture solutions incorporating domain driven design techniques, agile principles, target state architecture and standards to maximize Total Cost of Ownership
- Presented information in differing degrees of detail and form, depending on the audience (including executives)

**Consultant, Infrastructure Engineer (Lead Performance Engineer)**                     Nov 05 – Dec 15
- Managed large-scale performance engineering efforts to build and maintain performance testing processes and procedures that can be used across the enterprise
- Consulted with vendors on anticipated future technologies to uplift Performance Engineering capabilities
- Assessed application infrastructure architectures to identify gaps and to remediate performance issues
- Led consolidation effort to achieve 90% cost savings for project maintenance and support across different business areas
- Analyzed and delivered detailed performance recommendations for infrastructure, applications, and network diagnostics that are crucial for avoiding production outages
- Participated in Application Performance focused incident and problem management activities to determine root causes
- Analyzed application scaling characteristics and capacity constraints to determine system needs for future workloads
- Partnered with other domain teams to integrate Performance Engineering practices and solutions throughout the SDLC with transformations such as DevOps and CI/CD
- Provided training and mentoring to interns, junior engineers as well as testers and developers

**Zebra Technologies Corporation, Vernon Hills, IL**                     Oct 05 – Nov 05
**Performance Test Engineer**
- Administered performance testing environment and trained end users
- Performed detailed performance analysis and communicate test results to management

**TECHNICAL SKILLS**
**Tools:** AWS EC2, ECS, RDS, ELB, Elastic Beanstalk, Code Pipeline, Code Build, Code Deploy, Jenkins, Kafka, Docker, Kubernetes, New Relic, Splunk, Datadog, GitHub, Apigee, ServiceNow
**Cloud:** Amazon Web Services, Microsoft Azure
**Languages:** C/C++, Java, SQL, Python, REST, JSON, YAML, XML, HTML
**Application Servers**: WebSphere, WebLogic, Tomcat
**Database**: SQL Server, Oracle, Postgress, DynamoDB
**Operating Systems:** Windows, Linux, Unix, Ubuntu, RHEL, Cent OS and Solaris
**Virtualization:** VMWare

**CERTIFICATIONS**
AWS Certified Solution Architect - Associate

**EDUCATION**
**Master of Science** in Electrical and Computer Engineering                     Sep 02 – Dec 04
**University of Rhode Island,** Kingston, RI