

HIMA BINDU PETETI

Director of Software Engineering | SRE & Quality Platform Architect

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EXECUTIVE PROFILE

Strategic **Software Engineering Leader** with **20 years of experience** spanning Site Reliability Engineering (SRE), Quality Assurance, and DevOps Transformation. Proven expertise in building and scaling high-performance engineering organizations from the ground up. Expert in establishing "Quality-as-Code" cultures, achieving 99.99% availability for global enterprise systems, and leading multi-million dollar digital transformation initiatives.

CORE COMPETENCIES

- **Executive Leadership:** Strategic Planning, Budget Management (\$5M+), Talent Acquisition, Global Team Management (50+ members).
- **SRE & Operations:** Error Budgets, SLIs/SLOs/SLAs, Incident Management, Chaos Engineering, Observability (Prometheus, Grafana, Datadog).
- **Quality Engineering:** Shift-Left Testing, Automation Framework Design (Playwright, Selenium), AI-driven Testing, TDD/BDD.
- **Cloud & Infrastructure:** AWS/Azure/GCP, Kubernetes (EKS/GKE), Terraform, Infrastructure as Code (IaC), Microservices Architecture.

PROFESSIONAL EXPERIENCE

Director of Software Engineering | Global Enterprise Tech

January 2019 – Present

- **Organizational Leadership:** Direct a department of 60+ engineers across SRE, QA, and DevOps functions. Reduced operational overhead by 25% through strategic automation.

- **SRE Transformation:** Pioneered the adoption of SRE principles across the enterprise, implementing automated incident response and blameless post-mortems, resulting in a 40% reduction in MTTR (Mean Time to Recovery).
- **Quality Governance:** Defined the "Quality Engineering" roadmap, moving from manual legacy testing to a fully automated CI/CD integrated pipeline, increasing release frequency from monthly to daily.
- **Strategic Vision:** Collaborated with C-suite executives to align engineering goals with business KPIs, ensuring 99.99% uptime for Tier-1 revenue-generating applications.

Senior Manager, SRE & Test Automation | FinTech Innovations

March 2013 – December 2018

- **Platform Reliability:** Led the reliability engineering for a high-volume payment gateway, managing traffic spikes of 5x normal load without downtime.
- **Automation at Scale:** Built a unified automation framework used by 20+ product teams, achieving 90% test coverage for critical business paths.
- **Cloud Migration:** Orchestrated the zero-downtime migration of monolithic legacy systems to a containerized microservices architecture on AWS.

Lead Quality Assurance Engineer / SDET | Systems Dynamics Inc.

June 2006 – February 2013

- **Technical Leadership:** Acted as the primary architect for automated regression suites using Selenium and Java, saving 1,000+ manual hours per release.
- **Process Improvement:** Introduced Performance and Load testing (JMeter) into the early stages of the SDLC, identifying bottlenecks before production.

TECHNICAL STACK

Domain	Technologies
SRE / DevOps	Kubernetes, Docker, Terraform, Ansible, Jenkins, Spinnaker
Testing	Selenium, Playwright, Appium, Cucumber, Rest-Assured

Domain	Technologies
Monitoring	Datadog, New Relic, ELK Stack, Splunk, PagerDuty
Development	Java, Python, Go, Spring Boot, Node.js

EDUCATION & RECOGNITION

- **M.S. in Computer Science** | Recognized University
 - **Certified Kubernetes Administrator (CKA)**
 - **Keynote Speaker:** "The Intersection of SRE and Quality in Modern DevOps" – Tech Conference 2023
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KEY LEADERSHIP ACHIEVEMENTS

- **Budget Optimization:** Managed a \$10M annual cloud and tooling budget, identifying \$1.5M in annual savings through resource optimization.
- **Culture Building:** Improved engineering retention by 30% through the implementation of mentorship programs and clear career progression ladders.