

Dilip Kumar Samanta

Self-driven with passion for technology

Experienced **Engineering Manager** with over **20 years** of expertise, including roles as an **engineering manager and system architect**. Seeking a higher leadership position in management within a prestigious organization, preferably in Bangalore.

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PROFILE SUMMARY

- A highly motivated **Engineering Manager** having hands on with multiple technology adept at **strategizing and managing** large-scale engagements, overseeing complex project execution, delivering innovative solutions, while leading and coaching teams.
- Experienced technology leader specializing in platform engineering, cloud architecture, and team leadership who actively engages in architecture, automation, and engineering decisions.
- Managed a **large-scale platform modernization** initiative, improving reliability and cloud adoption.
- Spearheaded **automation strategies**, reducing deployment time by 80% and minimizing operational overhead.
- Led the strategy and implementation of **DevSecOps** across the organization, **seamlessly injecting security mechanisms** into the development lifecycle for **brown field and green field** applications which led to improving compliance, deployment speed, and overall system resilience.
- Spearheaded engagement with clients and top management to implement **fast flow engineering**, accelerating the **adoption of DevOps culture** across the organization. Infused **self-service strategy** enhancing enterprise system performance and productivity, resulting in streamlined workflows, faster deployment cycles.
- **People Leader**, guiding a team of **30-35 professionals** with a strong focus on **fostering a growth mindset**. Collaborated extensively with multicultural and global teams to ensure seamless operations and drive organizational success.
- **Championed diversity, equity, and inclusion** by building psychologically safe workspaces and actively supporting underrepresented talent



TECHNICAL SKILLS

Programming Technologies:	.Net Stack, Python, Node.js
Scripting Languages	PowerShell/Shell scripting
DevOps:	CI/CD YML, Kubernetes, Terraform, Packer, Liquibase, Infisical Secret Management, GitOps
DevSecOps:	CodeQL, GitHub Advanced Security, SonarQube, Veracode, Pre-Commit, Semantic Versioning, Checkov
Source Control & Artifactory	GitHub, ADO, Jenkins, Nexus, Jfrog
Configuration Management	Ansible, Puppet, RedHat Ansible automation platform
Backup Technologies:	AWS Backup, Cohesity (SAAS service)
Cloud Technologies:	AWS, EKS (AWS Kubernetes Service),
Log Analytics:	ELK stack, Splunk
Database Technologies:	SQL Server, Oracle, MySQL, AWS Dynamo DB, MongoDB
Application Profiling:	Ants Profiler, JetBrains Memory/Performance Profiler
Testing Technologies:	Selenium, Playwright
Operating System:	Linux, Windows



CORE COMPETENCIES

- Strategic Technology Planning , Platform Engineering , Organizational Change Management
- Cross-functional Team Leadership - DevOps & Cloud Transformation - Cost Optimization
- Technology RoadMap
- Talent Mentoring
- & DevelopmentExecutive Stakeholder Collaboration
- Problem Solving & Incident Management
- Cloud & Infrastructure cost management
- Product & Service Roadmap Execution
- Infrastructure as code, K8s, Istio , Ansible, C#.Net, Playwright, NodeJs, Python with scripting
- Technology-driven leader with deep hands-on and strategic vision



CERTIFICATIONS

- PMP (2015) – 1849621
- PMI-ACP (2018) – 2239224
- PG-Data Science (2018) – McCombs School of Business



WORK EXPERIENCE

Engineering Manager First American India [2021 – Present] (Bangalore - India)

- **Designed & Strategized microservices architecture** for products which was eventually converted from 20K RPU legacy application to 100K RPU highly scaled application. Improvised developer experience which enabled developers to work independently. Enabled AI development code for engineering/platform teams like **GitHub Copilot & Windsurf**.
- **CI/CD & Automation – Transformed multiple legacy application** with fully automated CI/CD which increased deployment frequency in turn improved DORA metrics. Enabled engineering teams with automation to release products faster.
- **Delivered a modern self-service deployment platform (Golden Path)** that reduced onboarding time for new applications from days to under **20 minutes**.
- **Design Platform supports brown field application** (called **Silver Path**) which provides self-service for app deployment in cloud VMs based on the ideology of **Pets Vs Cattle**. This product allows apps to have their own AMIs (**Packer** based) and create servers on demand to reduce patching. **ROI**: 65% of costs reduced in patching servers (620K \$ approx. annually)
- **Designed Backup System**: Developed a self-service backup platform for the engineering team to facilitate system backup and recovery in case of ransomware incidents. The platform also supports Ransomware recovery while complying with NYDFS backup system.
- **Spearheaded a \$400K/month reduction** in cloud operating costs through targeted automation and resource optimization, directly impacting company profitability.
- **Founded and led an enterprise-wide DevOps Community of Practice**, accelerating adoption of best engineering practices across a 2000+ engineer organization. Drive **meetups in FAI** to attract good talent for the organization.
- **Expanded DEVOPS** adoption, resulting in 40% of applications deploying their code on the same day.

Technical Program Manager Sigma InfoSolutions [2020 - 2021] (Bangalore - India)

- **Heading the DEVOPS function for the organization** which is based on Money Lending platform.
- Providing directions to the team for effective delivery of projects using CI/CD in AWS.
- Planning and maintenance of all AWS environments using workforce available.
- Strategic delivery of products for the client while engaging various vendors associated with us.
- **Cloud Migration** - Upgrade and migration of on-premises application to AWS.

Development Project Manager Prime Focus Technologies [2020 - 2020] (Bangalore - India)

- Worked for Warner Media. Planning, Development and Continuous integration working closely with leadership and stakeholders to define quarterly goals, key success metrics
- Executed & managed agile project development while minimizing the cost of execution by building the application. - Negotiation with clients to deliver scoped products.
- Led customer interaction, worked with SMEs of various domains, understood user/business/functional requirements, created business process models; validated technical designs against functional specifications, code review sessions with client IT team, UAT and Integration Testing
- Steered Development, Maintenance, Production Support, Disaster Recovery activities and Vendor Management

Development Project Manager Taqniat Intelligent Solutions/Securetech LLC/Etisbew [2011 - 2020] (Abu Dhabi – UAE)

- Designed & Architected solutions in microservice and implemented the expected capabilities of the application.
- Scoped the projects and brought contractual agreement to align deliveries with the client throughout the project.
- Formulating the plans, organizing, and monitoring the execution of interconnected projects.
- Monitoring the team's development velocity and working with scrum master's to facilitate the resolution of risks and blockers.
- Executed & managed agile project development while minimizing the cost of execution by building the application in the house from scratch.
- Partnered with Product Management, Architecture, Operations, other delivery teams and Release Management to ensure effective launch and delivery of projects to satisfy business needs.

Technical Lead in Bank of America (2008 - 2011) & Software Engineer in Wipro Technologies (2005 - 2008)



EDUCATION

2018	Executive MBA	Hult International Business School, Dubai/Boston
2005	B.Tech. in Computer Science	KIITS University, Odisha, India