



Aswinkumar Prakashkumar [AK]

Vice President – DevOps, Morgan Stanley

Ex – JP Morgan Chase, T-Mobile, and Target
DevOps and SRE Leader | Mentor | Purdue Grad



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Summary

Results-driven DevOps leader with a decade-long track record of architecting and implementing cutting-edge solutions to drive operational efficiency and cybersecurity excellence. Seeking a challenging leadership role to leverage expertise in CI/CD pipeline management, cloud technologies, and strategic IT initiatives, contributing to organizational growth and success. Adept at fostering collaboration, automating complex processes, and staying at the forefront of emerging technologies, with a commitment to delivering transformative results in dynamic, technology-driven environments.

Professional Skills

Leader | Problem Solver | Team Player | Conflict Resolver | Strategic Thinker | Adaptive | Communicative | Flexible | Project Management | Time-efficient | Mentorship Advocate | Innovative

Technical Skills

Databases | Storage : Oracle Enterprise, Amazon RDS, Cassandra, Redis, Dynamo DB | Datrium, Nimble, Alletra

Operating Systems : Red Hat Enterprise Linux, Ubuntu, CentOS, Amazon Linux AMIs, and Windows Servers

Cyber-Security Technologies : Ionic, PKWare, Vormetric, Luna, AWS HSM(s), Azure Key Vault. Data Protection Techniques (Key Management Systems, Tokenization, Redaction, etc.), Vulnerability Management, etc.,

Infrastructure Technologies : Nginx, Tomcat, VMware, Nuance, APIGEE, Hyper-V, Citrix, SharePoint, System Center Suite, AD

Network Technologies : Devices: Cisco and Avaya VoIP, Load Balancers, Switches, Routers, and Voice Gateways. Protocols: TCP / IP, HTTP, RTP, DNS, DHCP, SNMP, SMTP, ARP, SIP, RTMP, PGP, TLS, and PKI.

Cloud and Container Systems : Pivotal Cloud Foundry, Kubernetes (Docker), Linux Containers, and AWS (EC2, RDS, Lambda, Light-Sail, Route53, Step Functions, HSMs, S3, Cloud Formation)

Monitoring and Logging : APICA, Grafana/Prometheus, Datadog, GeneOS, AppDynamics, Splunk, Dynatrace, FluentD, Logstash, Empirix OneSight, Sensu, Kibana

Coding and Automation : Python, Bash, PowerShell, Ansible, Chef, Salt, Git, Bitbucket, Jenkins, Octopus, SonarQube, Terraform, Azure DevOps, Packer

Service Desk | Frameworks : HPSD, ServiceNow, ZenDesk, FreshDesk | COBIT, ITIL

Education

B.E. Computer Science and Engineering, Anna University
M.S. Information Technology, Purdue Global University

Aug 2008 – May 2012
May 2021 – Sep 2024

Experience

Vice President – DevOps Engineering Lead | Morgan Stanley, Edina, MN

Apr 2023 – Present

- Designed and implemented robust CI/CD pipelines facilitating seamless deployment of infrastructure across on-premises and cloud environments, with a focus on Azure. Streamlined the software delivery lifecycle, enhancing efficiency and ensuring consistent, reliable deployments.
- Spearheaded the modernization of Certificate Life Cycle Management processes by introducing short-lived certificates. Implemented a more secure and dynamic approach, reducing the risk associated with long-lived certificates and enhancing overall cybersecurity posture.
- Automated the Linux patching process, significantly reducing manual efforts and minimizing the window of vulnerability. Ensured timely application of security patches, enhancing system resilience and compliance with industry standards.
- Pioneered the automation of infrastructure template creation and environment provisioning processes. Achieved faster and consistent infrastructure deployments, fostering agility and scalability in response to changing business needs.
- Led the strategic initiative for datacenter consolidation, orchestrating the relocation from Minnesota to Seattle. Achieved cost savings, improved resource utilization, and strengthened disaster recovery capabilities through the streamlined datacenter structure.
- Successfully orchestrated the migration from CentOS 7 to Red Hat Enterprise Linux (RHEL) 8, ensuring a smooth transition while leveraging the latest features and security enhancements. Collaborated closely with diverse stakeholders, including application developers, project managers, and other key individuals, ensuring a holistic and well-coordinated migration process.



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Data Protection - Engineering Lead | JP Morgan Chase & Co, Seattle, WA & Bangalore, IND

Dec 2019 – Mar 2023

- Architected and implemented comprehensive Monitoring, Logging, Performance, and Resiliency Strategies for highly available and fault-tolerant key management systems, including Ionic, Vormetric, PKWare, Luna, Crypto Command Center, Key Secure, Cipher Trust, AWS, and Azure KMS. Demonstrated expertise in ensuring the operational excellence of critical systems through meticulous design and implementation of monitoring frameworks.
- Developed a fault-tolerant and highly available monitoring framework using Python, providing deep insights into Hardware Security Module (HSM) operational performance metrics. Utilized tools such as APICA, Kafka, SPLUNK, and X-Matters to create operational dashboards and an alerting framework, enhancing real-time visibility into system health.
- Active participation in the firm's technology design review process, ensuring alignment of new applications with standard control policies. Remediated identified issues from static code scans, vulnerabilities, and other security assessments, contributing to maintaining the security of the firm's data.
- Led the triage of high-severity customer incidents, ensuring prompt and effective resolution. Facilitated post-mortems to analyze incidents, identified root causes, and implemented corrective actions to prevent recurrence, ensuring the permanent closure of incidents and action items.

Sr. Site Reliability Engineer - Lead | T-Mobile (Indigo Slate), Bothell, WA

May 2019 – Nov 2019

- Restructured and rearchitected legacy on-prem applications, transitioning them to the cloud to ensure scalability and mitigate end-of-life risks.
- Collaborated with the development team throughout the software development lifecycle, ensuring alignment with the firm's controls and strategies.
- Deployed applications, features, and upgrades to highly available Cloud Foundry systems with zero downtime, utilizing Jenkins and Git for seamless integration.
- Detected, triaged, and resolved production issues in Avaya and Nuance IVR Systems using monitoring tools such as Splunk, AppDynamics, and Empirix OneSite.
- Developed and implemented custom webhooks on Splunk and Slack, integrating with the firm's PIER ticketing system to enhance automated ticket triage, escalation, and resolution processes.
- Architected and implemented custom monitoring tools, leveraging proprietary APIs from Avaya, Empirix, F5, Slack, Python, and Bash to ensure proactive system monitoring and issue resolution.

Guest Reliability Engineer – Lead | Target (TCS), Minneapolis, MN & Chennai, IND

Aug 2012 – May 2019

- Developed and implemented automation scripts and tools using Python, Ansible, CUCM APIs, Service-Now, and GREASE™ to streamline IP and Analog Phone Moves, Adds, Changes. Successfully resolved break-fix issues, enhancing operational efficiency.
- Utilized Developer Tools such as PowerShell, SCORCH, and Chef to automate provisioning and incident recovery tasks in the End-User Collaboration space, including VDI farms, SharePoint Farms, SharePoint DB Migration, and SharePoint Patching.
- Architected and implemented work-from-home (WFH) capable call center solutions, leveraging Avaya Aura technologies such as Experience Portal, Messaging, Proactive Outreach Manager, Avaya OneX, Systems, and Session Manager. This initiative facilitated seamless remote operations.
- Installed, configured, and managed virtualization environments, including Hyper-V, System Center Virtual Machine Manager, VMWare, Citrix Xen Desktop Studio, and Citrix Desktop Delivery Controller. These efforts enabled access for over 30,000 users to systems and applications, ensuring a robust and scalable virtualized infrastructure.

Volunteer and Mentorship Programs

- Mentor – UStrive
- Mentor – University of Minnesota, Computer Science and Engineering
- Volunteer – Habitat for Humanity

Certifications

VMWare Certified Associate – Cloud | VMWare Certified Associate – Data Center Virtualization | Microsoft Certified Associate – HyperV and SCVMM | ITILv3 Foundation