

Yash Kale

+91 9975081639 | imyashkale@gmail.com | Pune, India 411045

SUMMARY

Detail-oriented Senior Platform Engineer with 6.5+ years of experience designing and managing scalable cloud-based platforms. Skilled in troubleshooting complex technical issues and implementing solutions that enhance platform performance. Expertise in Kubernetes, Docker, Terraform, AWS, ArgoCD, Helm, and multiple programming languages drives system efficiency and reliability.

SKILLS

- AWS
- Kubernetes
- Docker
- Terraform
- ArgoCD / Helm
- Azure
- Serverless Architecture
- GitHub Action
- Golang
- Istio
- Microservices Architecture
- Claude Code

CERTIFICATIONS

- Certified Kubernetes Administration - CKA
- Certified Kubernetes Application Developer - CKAD
- Certified Cloud Native Platform Engineering Associate - CNPA
- HashiCorp Certified Terraform Associate
- AWS Certified Developer Associate
- AWS Certified Solutions Architect - Associate
- AWS Certified Cloud Practitioner

EXPERIENCE

Senior Platform Engineer, Arkose Labs, June 2024-Current

Pune, India

- Designed and developed from scratch a synthetic monitoring tool that tests the complete API flow every 3 seconds and 30 seconds at the cheapest possible cost, even outperforming the market leader in synthetic test costs.
This tool detects outages that could cost companies and customers millions, catching them up to 5 minutes earlier than existing systems. It also provides the first signal of bad changes or upcoming outages within just 3 seconds.
- The tool performs cross-regional latency calculations and has been instrumental in creating internal latency documentation and optimizing systems at scale. The feature set of this tool

surpasses existing observability tools currently available in the market. It was specifically crafted for Arkose Labs and is used to monitor the health of deployments by validating the entire flow. The tool was entirely written in Golang and AWS.

- Worked on implementing automatic region failover, aimed at preventing the blast radius of outages to some degree. This solution is Route53-based and depends on integrated health checks to detect failures, triggering a Route53 mechanism to reroute traffic away from the affected region.
- Built the Golang services that respond to these health checks, signaling whether each region is healthy. Deployed across 6 regions, the rollout completed without a single issue during or after deployment.
- Handled CloudFront and AWS WAF configurations, managed ESM tickets, and spent a significant amount of time debugging complex issues.
- Supported engineering teams in deploying and running their services on the Kubernetes cluster, resolving deployment and infra blockers.
- Migrated CloudHSM-backed KMS keys to AWS-managed standard KMS keys across multiple services, cutting dedicated HSM cluster costs while preserving encryption and automated key rotation. Executed re-encryption and key policy/IAM updates with zero downtime to live traffic.
- Migrated legacy services from ECS to EKS, converting task definitions into Kubernetes workloads and porting associated AWS resources. Standardized the platform on Kubernetes to improve autoscaling, observability, and operational consistency.
- Focusing on identifying root causes and innovating around existing infrastructure and beyond.

Software Developer, Relanto Global Pvt. Ltd, August 2023-June 2024

Bengaluru

- Company Overview: Unit of SRS Business Solutions India Pvt. Ltd.
- Working as an on-site, client-facing developer with Cisco.
- Implemented observability enhancements across multiple Golang-based microservices for the Cisco U Platform, utilizing OpenTelemetry to improve monitoring and debugging capabilities.
- Developed Badging-Service, a specialized microservice for issuing Credly badges, activated by Kafka topic events, as part of the Cisco U Platform.
- Led the complete architecture and design of the service, ensuring smooth integration and communication with other microservices within the Kubernetes cluster.
- Focused on efficient service deployment and operations, emphasizing interaction with microservices.
- Migrated sections of the service initially written in C# to Golang, showcasing a comprehensive understanding of the existing codebase and requirements for seamless functionality and integration.
- Implemented a custom REST API client to interact with Credly APIs, managing badge issuance processes by crafting requests and managing responses for accurate badge allocation to users within the existing service architecture.
- Created detailed unit tests in Golang for Badging-Service, ensuring code reliability & functionality within service architecture.

- Unit of SRS Business Solutions India Pvt. Ltd.

Software Developer, SRS Business Solutions India Pvt. Ltd, October 2022-July 2023

Bengaluru

- Working as an on-site, client-facing developer with Cisco.
- Facilitated the transition of the Learningspace application from Java to Golang, achieving a significant boost in system performance and efficiency.
- Analyzed project requirements independently to clarify transition scope and align development efforts.
- Implemented AWS Lambda function to automate processing of EPUB files uploaded to S3, triggering real-time point generation.
- Streamlined file management and enhanced application responsiveness, demonstrating proactive system optimization.
- Developed APIs for the Permission and Profile service, catering exclusively to the Cisco U Platform, encompassing both front-end and service-to-service communication.
- Conducted planning and testing of the APIs, ensuring functionality and seamless integration within the Cisco U ecosystem.
- Implemented extensive table test cases using Testify and Mocks packages, increasing reliability and performance of APIs.
- Created efficient testing frameworks to validate API functionality, contributing to the overall quality of the Cisco U services.
- Migrated the EST Project from a Java-based application with Liferay to a serverless architecture, addressing performance and security concerns.
- Architected a serverless solution using API Gateway and Lambda with Golang for efficient operations.
- Implemented AWS Cognito for robust user authentication, integrating OKTA with the identity pool to enhance security and user management. Utilized Cognito for granting access to API Gateway.
- Directly integrated API Gateway with DynamoDB, optimizing resource utilization and reducing costs.
- Implemented AWS CloudFront to accelerate content delivery, enhancing the overall user experience.
- Adopted AWS S3 for reliable and scalable static content storage, improving performance and data management.
- Implemented signed cookies with CloudFront for secure, authenticated access to content, adding an extra security layer and personalized content delivery.
- Designed custom data migration scripts executed on Lambda to transfer data from RDS to DynamoDB for seamless transition.
- Implemented AWS Secret Manager for secure secrets management, enhancing data protection.
- Migrated data from AWS EFS to S3 using the DataSync service, ensuring data accessibility and efficient storage solutions.

- Developed a custom AWS Lambda authorizer in Golang, ensuring efficient and scalable authorization management.
- Developed a Lambda function in Golang to verify user email domains against DynamoDB.
- Optimized for performance, this Lambda function processes requests in just 2 milliseconds.
- Developed in Golang for AWS API Gateway integration, this Lambda function generates secure, signed cookies upon API requests, facilitating controlled access to content via CloudFront.
- Transitioned Jenkins to AWS Native CI/CD tools, reducing operational costs and streamlining the development pipeline.

Full Stack Developer, SimSol Technologies and Services Private Limited, August 2019-September 2022

Mumbai

- Crafted web applications for robust, scalable banking solutions using Golang and VueJS, focusing on robustness, scalability, and an enhanced user experience.
- Developed key microservices, including the MIS Report Microservice for business reports and the PAN Validation Microservice, contributing to robust and scalable banking solutions.
- Designed and implemented RESTful APIs, ensuring integration between front-end and back-end with a focus on performance.
- Led the development of a high-performance Co-Lending application, improving loan processing efficiency.
- Mentored team members in the technologies and methodologies, ensuring team's capability to meet project requirements.
- Coordinated with multiple stakeholders, including bank officials, to ensure the timely delivery of complex projects.
- Ensured high standards in code quality through rigorous code reviews, contributing to overall quality assurance.

WEBSITES, PORTFOLIO

- [linkedin.com/in/imyashkale/](https://www.linkedin.com/in/imyashkale/)
- imyashkale.com

TRAINING

- DevOps Days Bengaluru 2023, 10/20/23 - 10/21/23. Engaged in keynotes & workshops focused on DevOps practices and networking with industry experts.
- KubeDay India 2023, 12/08/23, KubeDay conference in Bengaluru. This event, organized by the Cloud Native Computing Foundation, was a prime occasion for engaging with the vibrant Kubernetes and cloud-native community.

EDUCATION

Bachelor of Science

Computer Science Engineering, Everest Education Society Group of Institutions, Aurangabad India
January 2022

LANGUAGES

- English
- Hindi
- Marathi