YASH KALE

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An enterprising professional offering comprehensive experience in the field of Software Development; aiming to drive innovation and business value in a challenging software development role, contributing to impactful projects with an organization of repute Location Preference: Pune/ Bengaluru/ Remote

Core Competencies

Cloud Solution Architecture

Scalable Application Development

Project Management & Execution

Requirement Gathering & Analysis

Microservices Architecture

RESTful API Design

Database Management

Performance Optimization

Troubleshooting & Debugging

Continuous Process Improvements

Client/ Stakeholder Engagement

Cross-Functional Coordination

Management Reporting

🌣 Technical Skills

AWS Cloud Architecture Kubernetes

Docker

Golang

Terraform

Serverless Architecture

Microservices

Rest API

MySQL

MongoDB

DynamoDB

Python

Profile Summary

- Offering 4 years of experience in software development with a focus on Golang, AWS, and Kubernetes with skills in observability enhancements, REST API development, and serverless architecture.
- Currently associated with Relanto Global Pvt. Ltd. as a Software Developer, working as a client-facing developer at Cisco, working on major projects such as Badging-Service for Cisco U Platform and Cisco LearningSpace project.
- Resourceful in managing the Software Development Lifecycle (SDLC) right from requirement analysis, documentation (functional specifications, technical design), coding, and testing to the maintenance of proposed applications.
- Excellence in performing requirement gathering with internal business units, stakeholders and technical leaders to clarify and map business requirements into functional specifications, and driving activities in line with the same.
- Proficient in designing and implementing AWS Cloud Architecture, leveraging expertise in Golang and Kubernetes to develop scalable and efficient serverless **solutions**, enhancing business value and performance.
- Orchestrated the migration of parts of the service from C# to Golang, ensuring seamless functionality and integration, resulting in improvement in system performance and efficiency.
- Skilled in mentoring and fostering growth within team, conducting code reviews, and providing feedback to junior developers, resulting in enhanced skills.

Career Timeline





Work Experience

Relanto Global Pvt. Ltd., Bengaluru (Unit of SRS Business Solutions India Pvt. Ltd.) August 2023 – Present as Software Developer

SRS Business Solutions India Pvt. Ltd., Bengaluru

October 2022 - July 2023 as Software Developer

SimSol Technologies and Services Private Limited, Mumbai

August 2019 – September 2022 as Full Stack Developer

Key Result Areas:

- Spearheading the development of sophisticated web applications by leveraging Golang and VueJS, resulting in enhanced processing efficiency.
- Orchestrating the creation of key microservices, strategically aligning them with the company's mission to drive project success.



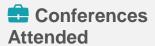
Certified Kubernetes Application Developer CKAD December 2023

HashiCorp Certified Terraform Associate 003 | October 2023

AWS Certified Developer -Associate | September 2023

AWS Certified Solutions Architect – Associate | July 2023

AWS Certified Cloud
Practitioner | December 2022



DevOps Days Bengaluru 2023 20-21 October 2023

Engaged in keynotes & workshops focused on DevOps practices and networking with industry experts.

KubeDay India 2023 8 December 2023

KubeDay conference in Bengaluru. This event, organized by the Cloud Native Computing Foundation, was a prime occasion for engaging with the vibrant Kubernetes and cloudnative community.



2017 - 2022

Bachelor of Science

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



Date of Birth:

7th July 1999

Languages Known:

English, Hindi, Marathi

Address:

Bengaluru – 560037

- Utilizing Golang and AWS to craft advanced software solutions, contributing to the continuous improvement of each project with cutting-edge technology.
- Contributing in improving processing efficiency and implementing new and effective technologies, showcasing a commitment to project excellence.
- Implementing robust security measures within web applications, ensuring the integrity and confidentiality of sensitive data.
- Collaborating with cross-functional teams to analyze project requirements, fostering a collaborative environment for successful software development.
- Conducting thorough code reviews and implementing best practices, resulting in high-quality, maintainable codebases.
- Designing and optimizing database structures, enhancing overall system performance and responsiveness.
- Providing technical expertise in troubleshooting and resolving complex issues, ensuring seamless operations of web applications.
- Maintaining updated knowledge of industry trends and emerging technologies, recommending and implementing innovative solutions to elevate project capabilities.
- Playing a pivotal role in the documentation process, creating comprehensive guides and manuals for software development and maintenance.
- Collaborating with stakeholders to gather and refine project specifications, ensuring alignment with organizational goals and objectives.

Highlights:

Relanto Global Pvt. Ltd.:

- Orchestrated migration of parts of service from C# to Golang, ensuring seamless functionality & integration, resulting in an 80% improvement in system performance.
- Improved observability across 22 Golang-based microservices with OpenTelemetry, improving monitoring and debugging capabilities for the Cisco U Platform.

SRS Business Solutions India Pvt. Ltd.:

- Achieved a remarkable cost reduction of 90%, decreasing expenses from \$1000 to \$100, by implementing a serverless architecture.
- Played a key role in configuring and designing services to enhance efficiency and reduce operational overhead.

SimSol Technologies and Services Private Limited:

 Reduced processing time from 4 hours to 10 seconds by implementing multiprocessing techniques.



Projects Undertaken

Relanto Global Pvt. Ltd.:

- Observability Enhancement in Microservices for Cisco U Platform
- Development of Badging-Service for Cisco U Platform

SRS Business Solutions India Pvt. Ltd.:

- Migrated Learningspace Application: Cisco LearningSpace
- REST API Development for Cisco U Platform: Cisco U
- Cisco E-Service Training

SimSol Technologies and Services Private Limited:

Co-Lending Application Project

Kindly refer to the annexure for project-related details

Annexure

Relanto Global Pvt. Ltd.

Working as an on-site, client-facing developer with Cisco

Observability Enhancement in Microservices for Cisco U Platform:

• Implemented observability enhancements across multiple Golang-based microservices for the Cisco U Platform, utilizing OpenTelemetry to improve monitoring and debugging capabilities.

Development of Badging-Service for Cisco U Platform:

- 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.

SRS Business Solutions India Pvt. Ltd.

Working as an on-site, client-facing developer with Cisco

Migrated Learningspace Application: Cisco LearningSpace

- Facilitated the transition of the Learningspace application from Java to Golang, achieving a significant boost in system performance and efficiency.
- Conducted analysis of project requirements independently, ensuring a comprehensive understanding of the transition scope.
- Implemented AWS Lambda function to automate processing of EPUB files uploaded to S3, triggering real-time point generation.
- Streamlined file management and improved application responsiveness through the enhancement, showcasing a proactive approach to system optimization.

Rest API Development for Cisco U Platform: Cisco U

- Developed APIs for the Permission and Profile service, catering exclusively to the Cisco U Platform, encompassing both frontend 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, enhancing reliability and performance of the APIs.
- Created efficient testing frameworks to validate API functionality, contributing to the overall quality of the Cisco U services.

Cisco E-Service Training

- 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.

Data Migration and Security:

- 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.

Custom Authorizer - AWS API Gateway:

- Developed a custom AWS Lambda authorizer in Golang, ensuring efficient and scalable authorization management.
 - This Lambda function integrates with AWS Cognito, determining API access permissions based on user group membership within Cognito.

Pre Authentication Trigger Lambda - AWS Cognito:

- Wrote a pre-authentication Lambda function in Golang to check if user's email domain is listed in DynamoDB to control access.
- This function fetches records from DynamoDB to determine if a user is permitted, restricting login to specific vendors.
- Optimized for performance, this Lambda function processes requests in just 2 milliseconds.

Signed Cookie Generator - AWS API Gateway:

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.

CI/CD Optimization:

• Transitioned Jenkins to AWS Native CI/CD tools, reducing operational costs and streamlining the development pipeline.

SimSol Technologies and Services Private Limited

Tech Stack: Golang, VueJS, Microservice, Go, Python, RabbitMQ, Docker, AWS, Kubernetes, RESTful APIs, GO REST API, MongoDB, Oracle Database

- 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.

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