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

- Golang
- AWS Cloud Architecture
- Kubernetes
- Docker
- Terraform
- Serverless Architecture
- Microservices
- REST API
- MySQL
- MongoDB
- DynamoDB

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

2019 – 2022 — SimSol — Full Stack Developer

2022 – 2023 — SRS Consulting Inc. — Software Developer

2023 – Now — Relanto (Reimagining AI) — Software Developer

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

Certifications

Certified Kubernetes
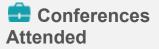Administration - CKA
February 2024

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

Conferences Attended

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
cloud-native community.

Education

2017 – 2022
Bachelor of Science
Computer Science Engineering
Everest Education Society Group
of Institutions, Aurangabad, India

Personal Details

Date of Birth:
7th July 1999

Languages Known:
English, Hindi, Marathi

Address:
Bengaluru – 560037

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.

- 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 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, 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.
    o 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.
    o 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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