

# Shreeraj Shetty K

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👤 ShreerajShettyK

## Profile

Experienced Golang developer specializing in cloud-native applications and GenAI solutions. Proven expertise in building scalable microservices, implementing AI-powered systems and deploying cloud infrastructure on AWS and Azure. Strong background in API development and distributed systems with hands-on experience in LLM integration.

## Education

<b>N.M.A.M. Institute of Technology, Nitte</b> <i>BE in Computer Science and Engineering</i>	Udupi, India Sept 2019 – June 2023
◦ GPA: 9.12/10.0	
<b>Expert PU College</b> <i>XII Science</i>	Mangalore, India June 2017 – May 2019
◦ Score: 88% in 2nd PU Exam	
<b>Poorna Prajna Education Centre</b> <i>X High School</i>	Bangalore, India June 2005 – March 2017
◦ Score: 91.68% in 10th Standard	

## Work Experience

<b>Associate Software Engineer</b> <i>Relanto</i>	Bangalore, India Sept 2024 – Present
◦ Developed and maintained cloud-native Golang microservices serving high-traffic applications	
◦ Designed and implemented RESTful APIs and gRPC services for distributed systems architecture	
◦ Built GenAI-powered automation tools and intelligent chatbot systems using LLM integration	
<b>Technical Trainee</b> <i>Relanto</i>	Bangalore, India Feb 2024 – Sept 2024
◦ Gained hands-on experience in Golang development, focusing on concurrent programming.	
◦ Implemented cloud solutions using AWS services and also aware of Terraform, Jenkins and Docker	
◦ Participated in code reviews and agile development practices, contributing to team velocity improvements	
<b>Software Intern</b> <i>Viyaat Agro LLP LTD</i>	Bangalore, India July 2023 – December 2023
◦ Worked on an agricultural ERP system used to manage 500 acres of farmland with active users	
◦ Migrated the web app from Next.js 12 to Next.js 13 (App router)	
◦ Implemented a new feature that allows agronomists to update the admin about tasks assigned to them, including image upload functionality where images are uploaded to Minio storage using external APIs	

## Projects

<b>Cisco Learning Platform - Learning Assistant</b>	Oct 2024 – Present
◦ Developed an intelligent chatbot platform that provides expert-level answers to networking and Cisco product-related queries using advanced LLM models	
◦ Built with agentic architecture featuring an orchestrator agent that coordinates multiple specialized micro-agents for enhanced query processing and response accuracy	
◦ Implemented intelligent follow-up question suggestions to guide users through complex networking concepts and troubleshooting scenarios	

- Technology stack: Golang for backend services, PostgreSQL for persistent data storage, Redis for high-performance caching, and GORM for efficient database operations
- Designed to accelerate learning and problem-solving for network engineers and IT professionals working with Cisco technologies

#### Azure APIM Gateway for LLM Load Balancing

May 2023 – July 2023

- Designed and implemented Azure API Management (APIM) service to intelligently load-balance requests across multiple Azure OpenAI models deployed in different regions (e.g., GPT-3.5-turbo, GPT-4)
- Developed custom routing policies within the APIM gateway to handle failover scenarios and distribute traffic based on priority. Also configured managed identity for secure authentication
- Integrated backend pools with priority-based routing - prioritizing specific regions until exhaustion, then distributing equally among fallback regions for optimal performance and cost efficiency
- Automated the entire deployment and configuration process using Golang with Azure SDK, enabling programmatic provisioning of APIM resources, policy updates, and backend configurations
- Technology stack: Azure API Management, Azure OpenAI Services, Azure Managed Identity, Azure SDK

#### Vipasana-Enterprise Resource Planning

July 2023 – Present

- Agricultural ERP system designed to optimize various aspects of agricultural operations, from farm management to food production and distribution
- This web-app is actively serving the needs of managing 500 acres of farmland, with a significant number of active users relying on its features
- Technology stacks: Next.js, React.js, Node.js, Prisma ORM and Minio object storage (similar to Amazon S3)

## Skills

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**Programming Languages:** Golang (Expert), C++

**GenAI & AI/ML:** Large Language Models (LLMs), Agentic Architecture, Azure OpenAI Services, AI Gateway Patterns, Prompt Engineering, Model Integration

**Cloud Platforms:** AWS (EC2, VPC, S3, Lambda, Bedrock), Azure (APIM, AI Services, Managed Identity, Resource Manager), Multi-cloud Architecture

**Backend & APIs:** RESTful APIs, gRPC, Microservices Architecture, WebSockets, API Gateway Design

**Databases & Storage:** PostgreSQL, MongoDB, MySQL, Redis (Caching), GORM, Database Optimization, Distributed Data Systems

**DevOps & Infrastructure:** Docker, Kubernetes, Jenkins, Terraform Infrastructure as Code (IaC), CI/CD Pipelines, Monitoring (Splunk)

**Web Technologies:** React.js, Next.js, Node.js, Angular, HTML5, CSS3, TypeScript

## Certifications

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- "AWS Cloud Practitioner Essentials" authorized by Amazon Web Services (AWS) (Dec. 2023)

## Leadership & Organizations

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### Vice President

Association of Computer Engineers

Sept 2021 – July 2022

### Executive Member

Computer Society Of India

Sept 2021 – July 2022

## Extra-Curricular Activities

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- Smart India Hackathon - Shortlisted in Internal Hackathon conducted by our college (Mar 2022)
- Organized a technical event for National level techno-cultural fest (Incridea, NMAMIT)