

Praveen Menon

Golang | Fullstack Developer

Dynamic software engineer with a strong background in distributed systems and storage platforms. Skilled in designing, developing, and rolling out scalable and reliable storage platform features. Proficient in Golang, AWS and GCP with a focus on improving system reliability and efficiency through automation, performance, scaling, observability, and monitoring. Committed to fostering cross-functional collaboration and supporting team members to ensure seamless integration across different storage backends.



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EDUCATION

Master's in Computer Science

George Mason University

08/2018 - 05/2020
Virginia, USA

Bachelor of Engineering - Information Science

Vishvesvaraya Technological University

08/2010 - 08/2014
Mysore, India

TECHNICAL SKILLS

Languages

Golang, Ruby on Rails, JavaScript, Node.js, Python

Technology & Protocols

REST, SOAP APIs, JSON, gRPC, Protocol Buffers, GraphQL

Dev Ops

AWS (S3, Lambda, CloudFormation, EKS, CI/CD pipeline & versioning), GCP workflows

Database

PostgreSQL, MySQL, DynamoDB, Mongo, Oracle, NoSQL, Redis

Tools & Frameworks

Jenkins, Semaphore, Git, JIRA, Travis, Docker, Kubernetes, Kafka, Splunk

WORK EXPERIENCE

Senior Software Engineer

Frontdoor

06/2020 - Present

Denver

- Spearheaded the design and integration of a scalable payments microservice system using Golang, resulting in a 30% increase in transaction processing speed and seamless integration with legacy GL systems.
- Led the shift to an event-driven architecture using pub/sub patterns and message queues, enabling asynchronous workflows across critical services like billing, reconciliation, and fraud detection.
- Integrated GraphQL APIs to streamline PayPal payment experiences for mobile and web clients, increasing success rates for wallet-based transactions.
- Implemented a unified framework for payment provider integrations—covering Credit Card, ACH, and PayPal—improving payment flexibility and reducing transaction errors by 15%.
- Developed RESTful API services as middleware for applications & payment gateway using Golang, improving system reliability and reducing downtime by 20%.

Research Assistant

Krasnow CNG / GMU

09/2018 - 05/2020

Virginia

- Rebuilt monolithic JAVA applications into Python microservices, enhancing performance and reliability, leading to a 25% reduction in system latency.
- Implemented a similarity algorithm using Python that improved search functionality, increasing search accuracy by 40%.
- Optimized application performance by creating database indexes and optimizing queries, resulting in a 35% improvement in query execution time.

Software Developer - Internship

Qwinix Technologies

07/2018 - 09/2019

Denver

- Enhanced transcoder efficiency for faster video conversion using Golang
- Developed a Data aggregator project using Golang, implementing channels and goroutines, which improved data processing speed by 30%.
- Designed and implemented data APIs for IoT projects using Ruby on Rails and Node.js, facilitating seamless data integration.

Software Developer

Qwinix Technologies

11/2014 - 07/2018

Mysore, India

- Programmed skills for smart speaking devices like Amazon Echo, successfully submitting 3 skills to the app store.
- Developed APIs in Golang to create 'Internet of Things' using AWS IoT services, enhancing device connectivity.
- Engineered server-side software modules and client-side user interface components using Golang and AngularJS, simplifying the recruitment process.
- Developed and deployed web projects using AWS web services for continuous integration, improving deployment efficiency.

CERTIFICATES

Web Component Developer using Java

Oracle Certified

Scrum - Incremental Agile Software Development