

Ashwini Kumar

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SUMMARY

Backend-focused Software Engineer with 5+ years of experience building scalable, cloud-native systems using Go, Java, Spring Boot, microservices, SQL and AWS/Azure. Experienced in distributed systems, event-driven architectures, API design, system integration and performance optimization, with ownership spanning architecture, implementation, deployment and production infrastructure.

EDUCATION

Sinhgad Institute of Technology, Savitribai Phule Pune University

B.E. Computer Engineering, GPA: 7.4/10

2021

EXPERIENCE

Consultant / Software Engineer

Nov 2025 – Present

TechVerito Software Solutions LLP

Pune

Client: Boxtalk.ai — Multi-tenant 3PL SaaS

- Owned an event-driven shipment-report ingestion pipeline spanning Gmail API → GCP Pub/Sub → Azure Functions → Container Apps Jobs, implementing deduplication, email-to-tenant mapping and tenant-partitioned ADLS storage.
- Migrated the Go billing engine to Azure SQL stored procedures, reducing billing runtime ~4× (20 min → 5 min) while eliminating a separately deployed service.
- Designed fingerprint-based billing-cache invalidation and incremental batch refresh, reducing invoice-generation time by ~90%.
- Designed multi-tenant OIDC authentication using Zitadel for a customer-facing payments portal; built an event-driven notification service supporting SSE and email.
- Co-designed a recovery engine reconciling carrier and warehouse data to identify billing discrepancies and recover thousands of dollars monthly; owned Terraform/infrastructure changes.
- Architected internal AI systems, including a recruiter voice agent for resume/JD evaluation, outbound screening and interview scheduling, and an asynchronous RAG knowledge base over call recordings using Whisper, embeddings and pgvector.

Senior Backend Developer

Jun 2023 – Nov 2025

Shree Siddhi Service

Remote

- Designed and deployed Java/Spring Boot microservices, automating Azure DevOps story-creation workflows and reducing manual effort by 60%.
- Architected GenAI backend services using AWS Lambda/API Gateway and LLM integrations for real-time, context-aware responses.
- Led a monolith-to-microservices migration, using Docker/ECS and SQS for fault isolation, asynchronous processing and horizontal scalability.
- Established containerized CI/CD pipelines supporting zero-downtime deployments and collaborated across product, frontend and QA teams on API contracts and system integration.

Software Developer

Feb 2022 – May 2023

Verifone India

Bengaluru

- Designed and implemented high-performance Java REST APIs for payment processing infrastructure handling \$30B+ in digital transactions.
- Developed payment-interface modules for new regional markets, enabling 3M additional transactions and contributing to a 20% increase in sales.

- Built secure, scalable payment services using Java, AWS Lambda/EC2/S3 and REST APIs.

Associate Software Engineer

Sep 2021 – Jan 2022

Xoriant Solutions

Remote

- Automated AWS infrastructure provisioning with Terraform, improving deployment speed and reliability.
- Contributed to scalable Java applications integrating cloud APIs and databases.

TECHNICAL SKILLS

Languages: Go, Java, SQL

Backend: Spring Boot, REST APIs, Microservices, JPA/Hibernate, Spring Security

Distributed Systems: Event-driven architecture, Pub/Sub, SQS, SSE, asynchronous processing, multi-tenancy

Databases: Azure SQL / SQL Server, PostgreSQL, Stored Procedures, TVFs, pgvector

Cloud & Infrastructure: AWS (EC2, Lambda, S3, SQS), Azure Functions, Azure Container Apps, ADLS, GCP Pub/Sub, Docker, Kubernetes, Terraform

AI/ML Systems: LLMs, RAG, embeddings, Whisper, AI agents

Engineering: System Design, Data Structures & Algorithms, CI/CD, Git

CERTIFICATIONS

AWS Certified Solutions Architect – Associate — 2025

Oracle Certified Professional: Java SE Programmer — 2023