Aditya Rana

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SUMMARY

Software Engineer with 2+ years' experience building secure, scalable backend systems using Java, Spring Boot, Go and cloud platforms (AWS, GCP, Azure). Strong background in microservices, API development, and infrastructure automation with Docker, Kubernetes, and Terraform. Experienced in AI-powered applications, cloud-native architecture, and end-to-end product development from startup to enterprise scale.

EXPERIENCE

Synchrony Financial   Jan 2025 - present
Backend Developer, Full-time   Remote
- Fixed critical issues for the CATS Enterprise team and built one microservice from scratch for PVA accounts to increase the resilience.
- Pioneered the Pay Later product's Stage Funding feature in CATS Enterprise, allowing partners to fund customer installment loans incrementally, resulting in a 10% reduction in defaults.

Harness   Jul 2023 - Jan 2025
Software Engineer, Full-time   Bengaluru, India
- Resolved critical customer issues within a **given timeframe**, meeting deadlines, unblocking the customer and maintaining an 85% customer retention rate through effective troubleshooting.
- Designed and deployed RESTful APIs in Java and SpringBoot for the Templates and later participated in the migration to FastAPI leading to 1.5x faster server response times.
- Orchestrated Docker and Kubernetes implementation, **reducing server costs by 25%** through improved resource allocation strategies.
- Played a key role in the **Pipelines** team by introducing the **Bulk Reconciliation** feature, reducing missed reconciliations by 100% and cutting manual processing time by 60%.
- Implemented **Event Bridge Webhook Trigger**, replacing polling triggers with a webhook, reducing server load by 50% and enabling real-time pipeline initiation.

Justbaat Media Tech Pvt.Ltd   Jul 2022 - Sep 2022
Full Stack Developer, Internship   Remote
- Leveraged FFMPEG and NodeJS to transcode, edit and scale videos, **scaled production of over 1,000 videos daily**.
- Revamped UI using ReactJS and analyzed datasets using BigQuery and Firebase, delivering actionable insights via custom APIs that increased app user engagement by 40%.

TECHNICAL SKILLS

Programming: C++, Java, Go, JavaScript, Python, SQL, Bash, HTML/CSS, Json, Yaml
Framework: SpringBoot, Gin, React, Express & Node.js, Locust, RestAssured, Cypress, Swagger (API Docs)
DevOps/Cloud: AWS (EC2, S3, Lambda, EKS, API Gateway), Azure Blob Storage, GCP(CloudFunctions, Firestore, GKE, Logging, BigQuery, CloudStorage), Helm Terraform, Github Actions, Prometheus, Grafana, Kafka, Jenkins
Tools: CD, CI, Pipelines, Linux, Kubernetes, Docker, FFmpeg, Git, Docker-Compose, Intellij, Jira, Maven, Zap
Databases: PostgreSQL, Redis, CassandraDB, MySQL, MongoDB, AWS DynamoDB, GCP Firestore
AI/ML: Azure AI (OpenAI, OCR, Speech), Scikit-learn, NumPy, Pandas, AST

PROJECTS

ResonantHealthAi | Go(Gin), PostgreSQL, Redis, Azure AI, Microsoft Entra ID, Docker, React (TS, Vite)   Jun 2025 - present
- Architected and developed a **scalable backend with Go (Gin)** following clean architecture principles, enabling seamless integration with React SPA frontend.
- Implemented **secure authentication & authorization** via Microsoft Entra ID and DrChrono OAuth2, with **JWT-based session management** and HttpOnly cookies for production-grade security.
- Built **AI-driven features** by integrating Azure OpenAI, Cognitive OCR, and Speech-to-Text, enabling real-time **document parsing, clinical note transcription**, and **chatbot-style medical assistance**.
- Designed and deployed **API proxy services** for DrChrono Patients API with rate limiting, structured logging (Zap), and consistent error handling, ensuring reliability and observability.
- Engineered **file management pipeline** with Azure Blob Storage and SAS URLs, enabling secure direct uploads without exposing secrets.
- Containerized application using **Docker multi-stage builds** and **docker-compose**, reducing image size to 20MB and supporting horizontal scaling with Redis-backed session storage.

EDUCATION

Manipal University Jaipur, Rajasthan India   Oct 2020 - Jun 2024
Bachelors of Technology in Information Technology   CGPA: 9.24/10.0

ACHIEVEMENTS

Hackathon | **Demo**	Secured **Runner Up** in HackWeek at Harness by developing a webhook that replaced all polling-based triggers, winning a **prize of 40,000 INR**.
Leetcode	Ranked in **top 9%** globally on Leetcode with a rating of **1766**.
Academic Excellence	Received the Academic Excellence Award twice, ranking in the **top 10** of the branch.