

RAHUL UPADHYAY

SENIOR BACKEND ENGINEER

CONTACT



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Berlin, Germany

SKILLS

Languages: Golang

Databases: DynamoDB, Elasticsearch, MySQL, MongoDB, PostgreSQL, Redis

Cloud: AWS, Lambda, SNS, SQS, DynamoDB

CI/CD: GitHub Actions, Jenkins

Monitoring: New Relic, CloudWatch

Infra: Docker, Terraform, Kubernetes

CERTIFICATIONS

[Architecting Solutions on AWS](#)

[Learning Terraform](#)

[Programming with Google Go](#)

OPEN SOURCE PROJECTS

[simple-ava-html-reporter](#)

[protractor-simple-cucumber-html-reporter-plugin](#)

[simple-cucumber-html-reporter](#)

EDUCATION

Bachelor of Technology
Heritage Institute of Technology
2005 - 2009

PROFILE

15+ years building backend systems that scale. Currently at Gymondo (7NXT Group), architecting event-driven microservices on AWS – from real-time ETL pipelines processing ~80k events/hour to serverless API gateways serving Web, iOS, and Android.

WORK EXPERIENCE

Backend Engineer

[Gymondo \(7NXT Group\)](#)

Oct 2022 - Present

- Architected and built a real-time ETL pipeline in Go processing ~80k events/hour, migrating 2.8M+ customer records from a legacy CRM (Emarsys) to Braze – cutting data latency from 24 hours to real time.
- Designed a serverless API gateway using AWS Lambda and Go goroutines, consolidating 12 downstream service calls into a single endpoint for Web, iOS, and Android clients.
- Built the platform's first wearable health data integration (Spike & Thryve), designed the Steps-as-a-Goal gamification feature, and wired physical activity milestones to the rewards engine.
- Led two CDN migrations (Mainstreaming → Brightcove, Akamai → Brightcove) with automated migration pipelines and event-driven metadata sync – zero service downtime across both transitions.
- Designed and shipped the platform's first AI-powered meal scanner – a serverless Go service on AWS Lambda, DynamoDB, and S3, using prompt engineering to identify food and return personalized nutritional guidance.

PROJECTS

Real-time ETL Pipeline & CRM Migration

- Built a robust ETL pipeline to stream ~80k transactional events/hour into CRM platform, enabling real-time insights.
- Led the full migration of users, subscriptions, and historical data to a new CRM platform, ensuring data integrity and minimal downtime.

Content Recommendation Service

- Developed a personalized recommendation engine using AWS Personalize with custom APIs supporting advanced filters.
- Optimized response times through caching and data restructuring, improving user engagement.
- Delivered scalable APIs backed by Elasticsearch for low-latency search based on recommended IDs

Wearable Data Integration & Gamification Engine

- Designed and built the platform's first wearable health data integration, ingesting real-time step counts and metrics from external providers into AWS based event pipeline.
- Built to handle burst ingest from irregular wearable sync schedules without backpressure on downstream services.

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SENIOR BACKEND ENGINEER

Senior Lead Engineer

Deutsche Telekom Digital Labs

Nov 2021 - Sep 2022

- Led a team of 11 engineers building mobile platform infrastructure and backend API performance benchmarking for Deutsche Telekom's OneApp.
 - Designed backend API performance benchmarking frameworks, establishing performance baselines and identifying scalability bottlenecks across backend microservices.
 - Built iOS, Android, and backend API automation frameworks integrated into CI/CD pipelines, enabling continuous quality validation across the full platform stack.
 - Coordinated engineering delivery across Android, iOS, and backend microservices teams within an enterprise Agile SDLC, ensuring predictable release milestones.
 - Integrated regression and performance test suites into CI/CD pipelines, enabling continuous validation and faster developer feedback loops.
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Lead Engineering Manager

Jun 2020 - Oct 2021

Gaian Solutions

- Defined and executed performance engineering and automation strategy for 30+ microservices, 7 Angular portals, and a native Android app, improving release velocity and reliability.
 - Developed scalable client (web + Android) and backend API automation suites, reducing manual effort and ensuring faster feedback cycles.
 - Designed and implemented performance benchmarking frameworks for backend APIs, driving scalability and reducing downtime.
 - Streamlined delivery by integrating automation and performance tests into CI/CD pipelines, accelerating deployment and feedback loops.
 - Led and mentored a team of 15 engineers, fostering innovation, collaboration, and continuous skill growth.
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Manager – Platform Automation

Dec 2019 - Jun 2020

Planful

- Converted 2,200+ UI test cases into API-level automation, cutting execution time by 15% and eliminating flaky tests.
 - Maintained an automation suite of 2,200+ test cases covering Data Integration (DI) and Platform projects.
 - Streamlined automation workflows to reduce maintenance overhead and accelerate feedback cycles.
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Manager – Integration Platform

May 2018 - Dec 2019

Celigo

- Defined roadmap, strategy, scope, and timelines for automation of 5 enterprise-grade connectors, enabling structured delivery and predictable timelines.
 - Built automation frameworks and delivered 30+ connector releases, reducing release cycle time and improving delivery consistency.
 - Integrated regression automation into CI/CD pipelines, enabling continuous validation and reducing post-release defects.
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