RAHUL UPADHYAY

EXPERIENCED BACKEND ENGINEER

CONTACT

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Berlin, Germany

SKILLS

Languages: Golang, Java, Typescript
Containerization & Orchestration: Kubernetes
Event-Driven Architecture: SNS, SQS
Databases: DynamoDB, Elasticsearch, MySQL, MongoDB, PostgreSQL
CI/CD & DevOps: GitActions, Jenkins
Monitoring & Logging: New Relic, CloudWatch
API Development: RESTful APIs
Testing: TDD, BDD, Unit Testing
Frameworks & Libraries: Gin/Gonic, Wire

EDUCATION

Bachelor of Technology

Heritage Institute of Technology

2005 - 2009

OPEN SOURCE CONTRIBUTIONS

simple-ava-html-reporter

protractor-simple-cucumber-html-reporter-plugin

simple-cucumber-html-reporter

CERTIFICATIONS

Programming with Google Go

Architecting Solutions on AWS

Machine Learning with Python

PROFILE

I have over 15 years of IT industry experience. I am proficient in designing platforms with Event-Driven Architecture, I enjoy coding in Golang and solving business problems. I am skilled in developing microservices and serverless applications, implementing CI/CD pipelines, and enhancing system observability. I am adept at collaborating with cross-functional teams to deliver scalable and reliable backend solutions.

WORK EXPERIENCE

Backend Engineer

Gymondo Gmbh — Oct 2022 - Present

- Owned and delivered end-to-end microservices architecture, overseeing design, deployment, and long-term maintenance to ensure scalability and reliability.
- Collaborated with cross-functional agile teams (Product Owners, Frontend Engineers, Designers, BI) to deliver features aligned with business goals.
- Fostered a culture of knowledge sharing by promoting best practices, lessons learned, and architectural insights across teams.
- Developed microservices and AWS Lambda functions for efficient data ingestion, transformation, and retrieval, reducing latency and improving system responsiveness.
- Designed robust API contracts and optimized database schemas to improve query performance and ensure long-term scalability.
- Implemented concurrent data aggregation using Go routines, reducing data processing time and delivering faster, actionable insights.
- Built and maintained CI/CD pipelines with GitHub Actions, accelerating release cycles through automated integration and deployment.
- Established monitoring, observability, and alerting systems to enhance reliability, improve uptime, and minimize production issues.

PROJECTS

Real-time ETL Pipeline & CRM Migration

- Built a robust ETL pipeline to stream ~2.4M transactional events/month into CRM platform with incremental processing, 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.

Event-driven Data Ingestion & Search System

- Designed an event-sourced architecture to capture high-throughput data changes with strong consistency.
- Delivered scalable APIs backed by Elasticsearch for low-latency search and enhanced user experience.

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PREVIOUS WORK EXPERIENCE

Senior Lead Engineer

Deutsche Telekom Digital Labs — Nov 2021 - Sep 2022

- Led and mentored a high-performing team of 11 SDETs, strengthening collaboration, accelerating delivery, and embedding a culture of knowledge sharing.
- Spearheaded automation and performance benchmarking for Telekom OneApp, improving release confidence and reducing regression effort.
- Developed comprehensive native app (iOS + Android) and backend API automation suites, reducing manual testing cycles and improving release velocity.
- Built and executed performance benchmarking test suites for backend APIs, identifying bottlenecks and improving scalability and reliability.
- Integrated regression and performance automation into CI/CD pipelines, enabling continuous quality validation and faster developer feedback.
- Coordinated testing across Android, iOS, and backend microservices to ensure seamless cross-platform delivery within the enterprise ecosystem.
- Owned Agile SDLC delivery for mobile and backend systems, ensuring on-time, high-quality releases.

Lead Engineering Manger

Gaian Solutions — Jun 2020 - Oct 2021

- Defined and executed 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.
- Oversaw Agile SDLC delivery for platform releases, ensuring predictable timelines and high-quality outcomes.
- Led and mentored a team of 15 SDETs, fostering innovation, collaboration, and continuous skill growth.

SDET Manager

Planful — Dec 2019 - Jun 2020

- Enhanced and maintained an automation suite of 2,200+ test cases, ensuring broad coverage and reliable test results for Data Integration (DI) and Platform projects.
- Converted 2,200+ UI test cases into API-level automation, cutting execution time by 15%, eliminating flaky tests, and improving developer productivity.

QA Manager

Celigo — May 2018 - Dec 2019

- 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 overall delivery consistency.
- Integrated regression automation into CI/CD pipelines, enabling continuous validation and reducing post-release defects.
- Strengthened connector reliability and maintainability by improving test coverage and streamlining automation workflows.