

# Vikas Kalyan

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[vikaskalyan.com](http://vikaskalyan.com)

Backend-focused Software Engineer with 3.5+ years' experience building scalable microservices and APIs using Java, Spring Boot, and MySQL. Proven expertise in designing secure, high-availability systems at Comcast and Guardian Life, improving performance and reducing downtime. Strong foundation in distributed systems and API integration, with additional experience in ReactJS for delivering full-stack solutions. Recognized for driving production stability, seamless system migrations, and award-winning contributions.

## SKILLS

**Programming & Backend:** Java, Spring Boot, Microservices, REST APIs, SOAP, C, Junit, Design Patterns

**Frontend:** ReactJS, JavaScript, HTML, CSS, Figma, UI/UX

**DevOps / Infrastructure / Tools:** Git, Jenkins, Docker, Bitbucket, Postman, Swagger, AWS CloudWatch, Splunk

**Databases & Cloud:** MySQL, Redis, Amazon S3

**Methodologies:** SDLC, Agile / Scrum, CI/CD, API Security, Test-Driven Development

## EXPERIENCE

**Software Development Engineer II** (Backend Engineer – Java/Spring Boot) June 2024 - Present  
Comcast, Chennai, TN

- Developed scalable **backend APIs using Java, Spring Boot, MySQL, Kafka, Redis**. Migrated core VAST detection logic from Creative Service to Creative Detector, establishing a single source of truth and reducing cross-service dependency.
- Migrated **VAST detection logic** to a centralized Creative Detector service, reducing cross-service dependencies and cutting production incidents by 80%.
- Developed **fault tolerant fallback / rollback mechanisms** to ensure zero-downtime deployments and increased operational stability.
- Designed and implemented “Auto-Rejection of Programmatic Creatives”** feature in Creative Processor, enabling publishers to configure rejection rules (brand + industry) and automatically filter invalid ads at ingestion.
- Built **domain/brand/industry detection pipeline** with async retries, caching, and rate-limiting (100 QPS) to ensure scalable and reliable processing. Also, integrated with **Kafka, Aerospike**, achieving near real-time ad rejection and reducing manual moderation workload by **60%**.

**Software Development Engineer** (Backend Engineer – Java/Spring Boot) April 2022 – June 2024  
Guardian Life, Chennai, TN

- Refactored legacy .NET codebase into **Spring Boot microservices with REST API**, improving maintainability and boosting system compatibility.
- Built **REST APIs with Spring Boot microservices**, optimized database queries in MySQL, integrated with Amazon S3 for cloud storage enabling seamless file reprocessing.
- Built **real-time customer validation APIs**, reducing verification errors and improving client onboarding efficiency.
- Engineered backend services for **ID card generation and automated mailing**, increasing operational efficiency by 90%.
- Developed the backend Java API for reprocessing the file in amazon S3 bucket based on user actions from the front end using **ReactJS and glic-UI-components**.

**Summer Intern** Sept 2021 - Nov 2021  
Ernst & Young

- Engineered 4 key UI/UX enhancements based on usability testing, boosting user engagement by 8% on core features and ensuring seamless data flow between front and back-end systems.
- Spearheaded the debugging of memory allocation issues, shrinking memory usage by 30 MB and accelerating production rollouts by 3 days, enhancing the user experience by 8%

## EDUCATION

**Bachelor of Engineering - Computer Science.** Apr 2018 - May 2022  
Sri Sairam Engineering College, Chennai, TN, India.

## ACHIEVEMENTS

- Awarded “You Nailed It” (Comcast, 2024)** for outstanding Q2 performance in backend service delivery.
- Guardian Life “High Five” Award (2023)** for driving critical backend enhancements
- National EY Scholarship Winner (2021)** - 1st place among 15,000 participants; won ₹1L cash prize + EY internship.