

VIKAS RANJAN

Berlin, Germany, 13055 | +49 1742565535 | vikasranjan008@gmail.com | <https://www.linkedin.com/in/vikas008/>

PROFESSIONAL SUMMARY

An engineering professional with over 10 years of experience in designing highly scalable, distributed, resilient microservices & bringing this to the cloud through containerized solutions for various E-Commerce industries.

2XX certified in AWS, GCP Professional Architect, highly experienced in Java, Spring, Postgres, Kafka, Docker, Kubernetes with a proven record of monolith migration to microservices. Highly motivated Problem-solver with a never-say-die attitude, always eager to accept challenging responsibilities & drive them to success.

WORK EXPERIENCE

12/2021 to Current

Senior Engineer

Wayfair – Berlin, Germany

- Developed the Green House Project called "**Notification Platform for Wayfair suppliers.**"
- **Received Project Appreciation** from the CEO for **due diligence, technical excellence & the business impact delivered**, in an organization-wide communication email.
- Understood & translated the business use cases & stakeholder requirements into an elaborate project design & architecture as the **Tech Lead**.
- **Engaged in multiple stakeholder meetings & coordinated cross-functionally** with Director, Product manager, Engineering manager, QA, UI/UX & the Development Team.
- Designed & developed a distributed event-based Notification platform carved out of a **PHP Monolith using Java, Spring, Apache Kafka, Postgres & run in Kubernetes**.
- Developed **REST API's for email services, scaling up to 10k requests per minute**.
- Practised **Pair-Programming, TDD based approach for development** on the job.
- Experienced with hands-on experience in **Junit, Mockito, Integration testing, dockerized testing using Garden IO**.
- Engaged extensively in **Architecture review, code review, mentoring team & the hiring process**.
- Enriched **design documentation**, created **RFC & post-mortem documentation**.
- **Led the entire project as interim Engineering Manager**, established milestones & designed technical roadmaps for **6 months** until the position got filled.
- Built a **multi-tenant system** & used **Hashicorp Vault** to store the tenant related configuration(s). Integrated Alerting & monitoring to trace failures using **Datadog**.
- **Migrated major functionalities out of the Wayfair's monolith serving millions of live traffic**. Used **Buildkite** to implement CI/CD pipelines.
- Optimized the architecture to **reduce the pager duty incidents upto ~1 per 60 days**.
- Integrated an automatic retrigger option & **resolved up to 98.9% email deliverability issues**.
- **Optimized the GCP cost by fine tuning the Kubernetes config** & bringing down the cost to **100 USD per month from 180 USD per month**.
- Utilized **Google Big data services** to create multiple **Data Studio/Looker Dashboards** for cutting down the email traceability issues & **effectively reduced on-call support to ~50%**.
- **Led an organization-wide Brown-Bag session** on latest technologies & innovations.

- **Won Hackathon** for People's category in **designing automated bot solutions for email traceability**.
- Designed & developed the backend & the front-end module for another project **"Subscription Management" for Wayfair suppliers' notifications, increasing the email action rate to 13%.**
- Built an **E2E subscription service** for supplier users to opt in/out of the notifications.
- Designed & Implemented Frontend using **ReactJs**, & backend using **Java, Spring, GraphQL**.
- Exposed the service via **Kong service**, using **Istio service mesh**.

07/2019 to 12/2021

SDE-II & SDE-III

Groupon – Bengaluru, India

- **Promoted to Tech Lead within 7 months of operations** owing to exceptional performance in **team-leading & Microservices migration** to the latest **JTier** framework.
- Handled the **Pre-Purchase funnel team** as the **Tech lead**.
- Bagged multiple awards during my service including **Spot Award, Star Innovator Award, & Top 3 Finalists Groupon-Hack Award**.
- Led designing, E2E development & support for **6 microservices** across Groupon as a part of the Pre-Purchase funnel user journey.
- Created **architecture design documentation**, engaged in **code reviews, team mentorship & the recruitment process** contributing to **40+ fresh hirings**.
- Planned a high-priority **cloud migration for microservices using AWS** components.
- Designed & contributed to the development of multiple microservices for another project called the **Groupon User Generated Content(UGC) Service** to handle up to 1.5 million requests per minute.
- Appreciated by the senior VP for finding & fixing a major bug on UGC service, which **impacted the purchase growth by 3.8%.**
- Developed & deployed the microservices on the **K8 cluster using a dockerized container** using **Java, Dropwizard, Postgres & Redis**.
- Implemented an Async component using the **Kafka queue for message aggregation**.
- Configured **CI/CD pipelines for canaray & blue-green deployment**.
- Used **Python & Apache Jmeter** for load testing the microservices.

08/2017 to 07/2019

Senior Software Engineer

MobileIron (Acquired by Ivanti) – Bengaluru, India

- Designed & implemented EMM features (device, application, configuration, policies management, etc.) as a part of the **MI Cloud Server team** for **Apple devices (iOS, macOS)**, driving a major revenue share for MobileIron.
- Built a **Java-based platform** for MobileIron internal framework using **Elasticsearch, Cassandra & Solr**.
- Contributed to the development of a product from scratch called MTD (Mobile Threat Detection) for MobileIron premium customers which led to a major business deal of **~30 million USD**.

06/2016 to 07/2017

Senior Software Engineer-II

MakeMyTrip – Bengaluru, India

- Developed a **Progressive Web Application(PWA)** using **AngularJs, HTML5, CSS3**,

ReactJs, Spring & Java, having a native app-like user experience that replaced the existing m-site & resulted in a **3x increased conversion rate**.

- Designed & developed a **Metrics library SDK** to collect data & push it to multiple end-points including **Omniure, Hive, & Grafana** for **real-time monitoring & big data analysis**.

05/2014 to 06/2016

Senior Software Engineer

Samsung R&D – Bengaluru, India

- Built a service **SDK** & upgraded the agent to CoreApps SDK using **Java**.
- Worked on the **Android View system framework customization** & enriched the basic **animation customization** (progress bar, dialog boxes, etc.) for the **Samsung devices** at an Android Framework level using **Java**.

07/2012 to 04/2014

Associate Software Engineer

CA Tech (Acquired by Broadcom) – Hyderabad, India

- Implemented an end-to-end solution for **Automation Suite for Clouds (ASC)**, **managing the cloud** in **IaaS** using **Java**.
- Supported product **feature enhancements**, using **automation** for enterprise capabilities to store, manage & deploy the physical & virtual application systems built in **Java**.

SKILLS

- | | |
|----------------|-----------------|
| • Java, Spring | • AWS |
| • Hibernate | • GCP |
| • ReactJs | • JavaScript |
| • GraphQL | • Android |
| • Kafka | • Postgres |
| • RabbitMQ | • MongoDB |
| • Docker | • Cassandra |
| • Kubernetes | • ElasticSearch |

AWARDS & ACCOMPLISHMENTS

- **Hackathon winner** at Wayfair & Groupon.
- **Spot Awardee & Appreciation recipient** at Groupon.
- **C-Lab** final round in **Samsung R&D**, for a new idea & implementation.
- **Winner of Sprinter of the Sprint** award in the team at CA Tech.
- Consistent recipient of **Institute Merit Cum Need Scholarship** by BITS Pilani till last semester for academic excellence.
- Awarded Rs. 3000 by **ex-HRD minister**, Arjun Singh at Intel-CBSE national level Science exhibition, at DPS Ghaziabad for **2nd rank** all over the country.

POSITION(S) OF RESPONSIBILITY

- **Co-founded a Non-Profit Startup MyPustak.com** (India) to facilitate the donation of books.
- **Designed, developed, & deployed the full web application** in **CakePHP** for MyPustak.com having >5000 daily user footfall.
- **Developed a mobile application** called **Vatsalya** for the **Jharkhand Government (India)** to track malnutrition among kids & pregnant ladies.

- **Designed an Android application** for book inventory management through a barcode scanner.
- Designed & developed an AWS-hosted NFL betting application from scratch using Java & Spring.

EDUCATION

2012	B. E. (Hons.) Electronics & Instrumentation & M.Sc. (Hons.) Mathematics 7.79/10 B.I.T.S. Pilani – Pilani Campus
2007	AISSCE (Class XII) : 87% (Department Rank 7th) Kalka Public School – New-Delhi
2005	AISCE (Class X) : 89% (Department Rank 2nd) JNV Birauli – Samastipur, Bihar