

Rajvir Singh

Buffalo, NY — (716)-573-7432 — Email — LinkedIn — Portfolio — Open to relocate

Technical Skills

Languages: Java, JavaScript, ClojureScript, TypeScript, Python, C++, C

Frameworks & APIs: Spring Boot, Dropwizard, FastAPI, React, Next.js, REST APIs, GraphQL, gRPC

Databases: PostgreSQL, MongoDB, Redis, NoSQL

Cloud & DevOps: AWS, Docker, CI/CD (GitHub Actions), Linux, JIRA

Observability & Reliability: Observability, Monitoring, Logging, Grafana, Kibana, Fault Tolerance

Concepts: Data Structures & Algorithms, Microservices, API Development, Distributed Systems, Scalability, System Design, SDLC, Agile, Unit/Integration Testing (JUnit, Mockito), OOP

AI-powered Application Dev: LLMs, Prompt Engineering, LangChain, LangGraph

Work Experience

Fastr

Software Engineer

Mar 2023 – Mar 2025

- Engineered and optimized the **customer-facing Fastr editor** by extending Penpot with ADA compliance and responsive layout support using **Clojure + TypeScript**.
- Designed full-stack dashboards with **ClojureScript frontend + gRPC-SQL backend**, writing enhanced **SQL queries**, improving analytics speed by **35%** and reducing load times by **500 ms**.
- Owned resolution of **30+ critical production issues** with robust error handling and input validation, meeting 24h SLAs and reducing outages by **40%**.
- Automated build, test, and deployment workflows using **CI/CD pipelines (GitHub Actions, Jenkins)** and Docker, accelerating release cycles by **25%**.
- Added observability and monitoring using **Grafana** and **Kibana**, cutting incident detection time by **20%** and reducing error rate by **15%**.
- Led code reviews and mentored a junior developer, improving onboarding efficiency and team delivery speed by **10%**.

Cvent India

Software Engineer

Jan 2022 – Feb 2023

- Developed **customer-facing** planner and guest interfaces in the Attendee Hub using React, TypeScript, and **Next.js**, reducing navigation complaints by **30%**.
- Implemented and maintained 4 backend services in **Java + Dropwizard**, streamlining workflows for **50k+** event users.
- Integrated **Apollo GraphQL** with **REST APIs** to power real-time dashboards, achieving a **20%** faster response time.
- Improved backend performance by implementing **caching** and **indexing** strategies, reducing query execution time by **40%**.
- Collaborated with QA & DevOps teams to deliver **defect-free releases**, contributing to improved sprint velocity by **15%**.
- Documented APIs and trained support engineers, reducing escalations by **25%** and improving customer adoption.

Projects

Recipe Finder Web App

2022

- Designed and developed a **full-stack React-based single-page application**, integrating **REST APIs** with asynchronous data fetching and client-side data handling.
- Implemented **pagination and component-level state management** using **React Hooks** to improve performance and user experience.

Land Use Analysis (Google Earth Engine)

2021

- Analyzed large-scale satellite imagery using **Google Earth Engine**, applying **machine learning models** for land-use classification.
- Worked with **large datasets and validation techniques** to train and evaluate models using **SVM and Random Forest**.

Education

University at Buffalo (SUNY), USA

M.S. in Computer Science

GPA: 3.91/4

Aug 2025 – Dec 2026

IIIT Kota, India

B.Tech in Computer Science

GPA: 7.85/10

Aug 2018 – May 2022