Rajvir Singh

Buffalo, NY

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Full-Stack Software Engineer — Java, React, Spring Boot, REST APIs, SQL/NoSQL, AWS — 3 YOE — MSCS @ University at Buffalo

Technical Skills

Languages: Java, JavaScript, TypeScript, Python, C++, HTML, CSS

Frameworks: React, Next.js, Spring Boot, Dropwizard, Apollo GraphQL

Databases: PostgreSQL, MongoDB, NoSQL

DevOps/Cloud: AWS, Docker, CI/CD (GitHub Actions, Jenkins), REST, RPC, Linux, JIRA

Concepts: Microservices, RESTful Services, API Development, Distributed Systems, System Design, SDLC, Agile, Unit/Integration/Regression Testing, OOP

Work Experience

Fastr

Software Engineer   *Mar 2023 – March 2025*

- Engineered and optimized the **Fastr editor** by extending Penpot with ADA compliance and responsive layout support using **Clojure + TypeScript**.
- Designed dashboards with **ClojureScript frontend + gRPC-SQL backend**, improving analytics speed by **35%** and reducing load times by **500 ms**.
- Resolved **30+ critical production issues** within 24h SLAs, reducing outages by **40%** and improving overall system uptime.
- Automated builds, tests, and deployments via **CI/CD pipelines** (**GitHub Actions, Jenkins**) and Docker, accelerating release cycles by **25%**.
- Integrated **Grafana + Kibana monitoring**, cutting incident detection time by 20% and reducing error rate by 15%.
- Led code reviews and mentored 2 junior developers, improving onboarding efficiency and team delivery speed by 10%.

Cvent India

Software Engineer   *Jan 2022 – Feb 2023*

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

Projects

Recipe Finder Web App   2022

- Designed and developed a **React-based** single-page application integrating REST APIs and asynchronous data fetching.
- Implemented **pagination** and component-level state management using **React Hooks**.

Land Use Analysis (Google Earth Engine)   2021

- Analyzed satellite imagery using **Google Earth Engine** and applied **machine learning models** for land-use classification.
- Worked with large datasets and validation techniques to interpret model results using **SVM** and **Random Forest**.

Education

University at Buffalo (SUNY), USA   **GPA: 3.91/4**

M.S. in Computer Science   *Aug 2025 – Dec 2026*

IIIT Kota, India   **GPA: 7.85/10**

B.Tech in Computer Science   *Aug 2018 – May 2022*

Achievements

Awarded "**Performer of the Quarter**" at both Cvent and Fastr for high-impact feature contributions.