Rahul Saini

Remote, Canada

linkedin.com/in/rahulksaini || rahulsaini805@gmail.com || github.com/rahul-kumar-saini

EDUCATION

University of Toronto
BSc with Honours in Computer Science

EXPERIENCE

Finch (tryfinch.com)   Remote, Canada
Senior Software Engineer   02/2025 - Present
- Database Infrastructure

Software Engineer   10/2023 - 02/2025
- Many hats: Infrastructure (IaC), Backend API, DevOps, Integrations

Sentry (sentry.io)   San Francisco, CA
Software Engineer - Search & Storage   07/2021 - 10/2023
- Monitored, scaled, & improved distributed storage infrastructure handling 30B+ events and 100M+ queries/day
- Key projects
  - Replacements: Implemented a query optimizer using **Redis** cached data to reduce number of FINAL (very expensive **ClickHouse** query) queries by ∼73%
  - Dead Letter Queue: Built a reusable **Kafka** DLQ component, saving Sentry from many incidents and manual ops interventions since it was deployed on critical consumers
  - Capacity Management: Developed a new system to manage API capacity at scale, replacing old rate-limiting
- Split up Sentry's backend deployment pipeline to allow for individual Kafka consumer deployments to GCP
- Recognized for fostering a welcoming culture and building a community for all junior engineers in the company

Amazon Web Services (AWS)   Vancouver, BC
Software Development Engineer Intern   09/2020 - 12/2020 (4 mos)
- Built critical infrastructure for 2 new managed services (**Prometheus** & **Grafana**), previewed at re:Invent 2020
- Implemented GitHub Actions pipelines to test, build, and deploy updates using Self-Hosted Actions Runners
- Developed an internal **CDK** library to automate infrastructure for deploying Self-Hosted Actions Runners
- Defined and deployed multiple **CloudFormation** stacks using CDK to spin up EC2 instances hosting crucial services, ensuring high availability with Auto Scaling

Royal Bank of Canada (RBC)   Toronto, ON
Software Developer Intern   05/2020 - 08/2020 (4 mos)
- Joined full-stack development team building an internal credit product to replace a third party application, resulting in significant cost savings for the department
- Developed scalable **Java** + **Spring Boot** back-end system along with an **Angular** front-end
- Designed new **SQL** database tables and abstracted the database connectivity with JDBC

Index Exchange   Toronto, ON
Software Developer Intern   05/2019 - 08/2019 (4 mos)
- Led full-stack engineering on an internal tool used by 150+ engineers
- Developed **Angular** front-end, along with **Go** back-end integrating Jira API
- Containerized application into individual parts with **Docker** and implemented single Helm chart for deployments across a **Kubernetes** cluster

Canadian Imperial Bank of Commerce (CIBC)   Toronto, ON
Software Developer Intern   05/2018 - 12/2018 (8 mos)
- Developed internal dashboard application using **React** and Pega 7 by building back end structure to host and query environment information along with 10+ API end points used within the front end
- Implemented a **Java** and Selenium automated testing framework, along with a centralized **Node.js** platform for queuing testing jobs, improving CD pipelines and cutting 2+ hours of manual QA per day

SKILLS

Python, JavaScript, Java, C, SQL, Redis, ClickHouse, AWS, GCP, Kubernetes, Docker, Kafka, Datadog