

Rohinesh Ram

Software Engineer

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HIGHLIGHTS

- **2 years** of **professional experience** developing and deploying web applications using **React**, **Typescript**, and **AWS**.
- Consistently earned positive/perfect annual reviews for being a fast learner, contributing to client success, and achieving yearly developmental goals.
- AWS Developer Associate and AWS Solutions Architect Associate certifications.

PROFESSIONAL EXPERIENCE

Frontend Engineer

May 2022 - Mar 2024

Accolite Digital | Calgary, AB

- Integrated a React charting library into a client's data app, cutting graph-building code by **82%** and boosting user interactivity.
- Leveraged modern React client-side caching techniques to reduce a web application's load time by **5 seconds**.
- Refactored a client's codebase and consolidated widget implementations into reusable **React** components, resulting in a **2-day reduction** in development time for new widgets.
- Initiated conversations with product managers/owners, other engineers, and design to improve user experience.
- Developed reusable **Terraform** modules for **AWS** infrastructure, and a **GithubActions** **CICD** pipeline to streamline and automate software building, testing, and deployments.
- Cut hosting costs by containerizing a **NextJS** app with **Docker** and rehosting it on **AWS Fargate (ECS)** and **RDS**.
- Led the design and implementation of a micro-frontend **software architecture** that uses native browser APIs instead of third-party JS libraries.
- Built a custom implementation of the Github web application **OAuth** flow using **AWS Lambda** and **CloudFront** to secure a deployed **Storybook**.

ADDITIONAL PROJECTS

EarnNLearn | *FE Project* [Link](#) | *BE Project* [Link](#)

- Built a full stack web application using **MongoDB**, **ExpressJS**, and **React**.
- Built a custom JWT based authentication system using Express.
- In the process of setting up **SSL** and developing **CICD** pipelines and **IaC** for testing and deployments.

C++ HTTP Server | *Server Project* [Link](#) | *Library Project* [Link](#)

- Actively implementing an HTTP server in **C++** with plans to publish a Docker image and deploy to **AWS EC2**.
- Created a statically linked C++ library for the implementation of TCP Sockets and HTTP Request/Response objects.

EDUCATION

University of Calgary | Master's of Engineering, Computer Software Engineering

June 2021 - Apr 2022

- GPA: 4.0/4.0

University of Alberta | Bachelor's of Science, Mechanical Engineering - With Distinction

Sept 2014 - Apr 2018

- GPA: 3.7/4.0

SKILLS

React, HTML, CSS, REST, Typescript, Javascript, ES6, Vite, NextJS, Jest, Storybook, Node, ExpressJS, Lambda, S3, CloudFront, ECS, EC2, AWS CDK & SDK, Terraform, CircleCI, Github Actions, Docker, SQL, MongoDB, NoSQL, JIRA, GIT, Agile