

# Rohinesh Ram

## Fullstack Engineer

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### EXPERIENCE

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#### Fullstack Engineer

May 2022 - March 2024

Accolite Digital | Calgary, AB

Responsible for building and maintaining cloud-based web applications for various clients, leveraging technologies like React, Docker, AWS, and IaC tools to support clients' digital transformation needs.

- Achieved a 2-day reduction in development time for new widgets by refactoring a client's codebase and consolidating widget implementations into reusable React components
- Decreased graph-building code by 32% while increasing functionality by integrating a React charting library into a client's data visualization application
- Reduced web application load time by 5 seconds by leveraging modern React client-side caching techniques
- Improved application performance by initiating discussions with product owners and engineers to modify designs and backend APIs, enhancing UX and DX.
- Led the design and implementation of a micro-frontend architecture that eliminated reliance on third-party JS libraries, improving system performance.
- Reduced hosting costs of a desk booking application by containerizing a NextJS app with Docker and rehosting it on AWS (Fargate (ECS), RDS).
- Streamlined deployments for 6 projects in a monorepo by developing reusable Terraform modules, a GitHub Actions CI/CD pipeline leveraging pnpm workspaces
- Developed and deployed a React component library to npm and built a custom implementation of the GitHub OAuth flow using AWS (Lambda, CloudFront) to secure the deployed Storybook.

### PROJECTS

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#### rDrive - Image and Video Cloud Hosting | [rdrive.rohineshram.com](https://rdrive.rohineshram.com)

A secure, serverless web application for uploading, viewing, and downloading images and videos.

- Designed a highly efficient serverless architecture using AWS (API Gateway, Lambda, S3) to manage and store image and video assets.
- Wrote an HTTP API to facilitate single and batch file uploads, downloads, deletions, and folder management
- Implemented a file viewer in React with features such as image rotation and video streaming

### EDUCATION

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University of Calgary   Master of Engineering, Software Engineering GPA: 4.0/4.0	2021 - 2022
University of Alberta   Bachelor of Science, Mechanical Engineering GPA: 3.7/4.0	2014 - 2018
AWS Solutions Architect Associate	2023 - present
AWS Developer Associate	2022 - present

### SKILLS

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React, HTML, CSS, Typescript, Javascript, Vite, Webpack, NextJS, Single-SPA, Vitest, Storybook, NodeJS, ExpressJS, Linux (Ubuntu), Lambda, S3, CloudFront, ECS, Fargate, EC2, AWS CDK & SDK, Terraform, CircleCI, Github Actions, Docker, SQL, MongoDB