

Arshdeep Saini

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Skills

Languages & Frameworks: JavaScript, TypeScript, Python, React, Node.js, Next.js, Java, Flutter

Technologies: Docker, AWS, Kubernetes, Git, Jenkins, GraphQL, Playwright, Jest, Vercel AI SDK

Databases: PostgreSQL, MySQL, Redis, MongoDB

Experience

Frontend Developer, Carousel Studio – Toronto, ON July 2025 – Present

- Optimized month-1 retention by 45% by building an end-to-end publishing flow using Instagram's Graph API
- Converted customer churn signals into prototype features for rapid A/B validation, improving roadmap agility
- Reduced model costs and improved uptime by benchmarking LLM providers, standardizing Vercel AI SDK integrations, and implementing automated retry and fallback mechanisms

Software Developer, IBM Canada – Markham, ON Mar 2023 – Apr 2025

- Led a global team of 6 to modernize documentation tooling for 430+ IBM products, standardizing workflows and automating builds to boost update frequency from monthly to weekly and raise CSAT by 25%
- Designed and implemented a scalable microservice architecture for automated feedback classification across 2,400+ IBM products, cutting manual triage by 80% via intelligent routing and workload distribution
- Built CI/CD pipeline using Docker, Kubernetes, and Jenkins to publish markdown docs with automated QA, cutting deployment time by 75% and reducing broken doc reports from 100+ to under 10 per release
- Elevated engineering culture by standardizing on a unified engineering stack (Node.js, Next.js, PostgreSQL, Redis, IBM Carbon) to improve cross-team consistency and developer onboarding speed

Full Stack Developer, IBM Canada – Markham, ON Jan 2022 – Mar 2023

- Migrated 430+ IBM product documentation sets to GitHub and implemented CI/CD pipelines using Jenkins, cutting build times by 90% (over 2 hours to 10 minutes) and accelerating release cycles
- Led modernization of a 34-language documentation pipeline across 11 countries, migrating 400+ IBM products to a GitHub-native workflow and designing APIs to automate content publishing with zero downtime
- Built observability service with uptime probes, structured logging, and health metrics to monitor servers and alert via Slack on SLO breaches, cutting incident detection from 30 minutes to under 2 minutes
- Mentored 3 new hires and 1 apprentice, cutting ramp-up time from 4 weeks to 1.5 weeks via structured learning paths and capstone-based training

Frontend Developer Intern, The Citywide Group – Vaughan, ON May 2021 – Dec 2021

- Contributed to a pre-launch build of a cross-platform apartment and building management app built with Flutter, now powering 1,300+ smart buildings and 150+ new projects annually
- Collaborated with a cross-functional Agile team of developers, UI/UX designers, and business analysts to design and implement core tenant and admin workflows, aligning business and technical goals
- Deployed automated unit, integration, and end-to-end UI tests across web and mobile environments using CI pipelines, ensuring cross-device reliability and reducing post-merge defects by 30%

Projects

Mobile Bookmarks – Google Play play.google.com/store/apps/details?id=com.ashi.browse

- Designed and launched an Android productivity app with 8K+ installs and 200+ monthly active users
- Integrated Android Custom Tabs to deliver a fast, secure in-app browsing experience

Education

York University – BEng, Software Engineering

2022