

Harsh Panchal

<https://github.com/Panchal-Harsh-98>

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SKILLS

- **Programming Languages** : Java, TypeScript, JavaScript, Bash
- **Cloud Technologies** : Azure Kubernetes Service, AWS, GCP
- **Frontend Development** : React, React-Router, Redux, Axios, Jest, jQuery, Ajax
- **Backend Technology** : Node.js, SQL stored procedure, Web API(REST), GraphQL
- **Databases** : MS SQL, PostgreSQL, Redis, MongoDB
- **Testing** : Unit and Integration Testing, Selenium
- **Tools** : Kiali, Qualys, Burp Suite, Devo, Dynatrace, AEM, Docker, Git, Terraform
- **Testing** : Unit and Integration Testing, Selenium
- **DevOps** : Flux, GitHub, Terraform

EXPERIENCE

- **Manulife**

Software Engineer

Waterloo, ON

June 2023 – Present

- Experienced in developing full stack applications using Node.js and React.
- Proficient in working with MSSQL databases, including schema design, querying and performance tuning
- Collaborated closely with cross functional teams including UI/UX designers, product owners and QA engineers to deliver features that meet stakeholder requirements
- Actively participated in retrospectives to identify opportunities for process improvement, tooling enhancement, and automation within the development lifecycle.
- Identified performance bottlenecks and implemented optimizations in both frontend and backend applications to enhance application performance and scalability
- Resolved complex technical issues through debugging, root cause analysis and effective collaboration with the team
- Conducted POCs to evaluate feasibility and performance of new technologies or architectural patterns, presenting findings and recommendations to technical and non-technical stakeholders.
- Implemented Jenkins pipelines for automating builds, tests and deployments, ensuing efficient software delivery
- Implemented Infrastructure as Code (IaC) using tools like Terraform to provision and manage AKS clusters and associated resources.
- Implemented horizontal pod autoscaling (HPA) and cluster autoscaler to dynamically adjust resources based on application demand, optimizing cost-efficiency and performance.
- Built communication patterns such as RESTful APIs, GraphQL, or message queue using Azure Service Bus for inter-service communication and data synchronization.
- Orchestrated service interactions using API gateways or service meshes to manage traffic, enforce security policies, and monitor communication patterns.
- Deployed and managed containerized applications using Azure Kubernetes Service (AKS), leveraging Kubernetes for orchestration and scaling.
- Communicated technical concepts effectively to peers, contributing to project transparency and understanding
- Engaged in regular knowledge sharing within the team through mentoring, code reviews, and tech talks, fostering a culture of learning and innovation.

- **Bank of Montreal**

Software Developer - contract

Toronto, ON

Nov 2022 – Apr 2023

- Collaborated with a group of developers to provide intelligent approval automation, worked on parsers to generate policies by reading infrastructure code
- Used NextJs and AWS-SDK to make calls to AWS APIs and render data associated to AWS resources and manage logging
- Worked on several PoCs for cloud based file management and syncing
- Designed CI/CD workflows, worked on YAML configurations to create tailored pipelines for GitHub Action workflows
- Automated workflows leveraging GitHub hooks and labels

- **Conestoga College**

Assistant E-Learning Courseware Developer

Waterloo, ON

May 2021 – Dec 2021

- Worked with a team of content designers and developers to deliver courseware materials
- Designed multiple custom courses and interactive components using frontend frameworks to aid students achieve success in their academics
- Documented custom design elements and performed quality and feature enhancements in coordination with QAs
- Used GulpJS to automate workflow that involved repetitive tasks for building and deploying applications
- Utilised waterfall method for progress tracking and kanban boards to keep track of backlog

- **Silverwing Technologies**

Software Developer – iOS

Gujarat, India

Jan 2019 – Aug 2020

- Developed dynamic and responsive user-interfaces using Swift and React Native
- Worked with multipart data uploads and file management over server using PHP, Fetch API and Axios.
- Implemented and integrated REST APIs and developed business logic multiple application.
- Integrated Google Cloud Services including Firebase, Google Maps API and Google Cloud Messaging.

EDUCATION

- **Conestoga College**

Mobile Solutions Development

Kitchener, Canada

Aug 2020 – Dec 2021

- **L.J Institute of Engineering and Technology**

Bachelor of Computer Engineering

Gujarat, India

Aug 2015 – Apr 2019