

Eshaan Chaudhari

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SUMMARY

- 2+ years of full-stack software development experience across both front-end and back-end technologies
- Software Engineering and Management graduate from McMaster University with technical and business skills
- Developed new features for external web applications, resolved production issues, built internal tools to improve QA workflows, and translated business requirements into scalable technical designs
- Developed REST APIs and microservices for large-scale, distributed applications running in cloud environments on Azure and AWS, with experience across both synchronous and event-driven system architectures

EDUCATION

McMaster University

Bachelor of Engineering
Software Engineering and Management

Hamilton, ON
Graduated 2024
GPA: 3.5/4.0

EXPERIENCE

Manulife

Full Stack Software Engineer

Toronto, ON
June 2024 - Present

- Developed new front-end features using React and back-end functionality with C# in .NET framework, applying object-oriented design to meet business requirements in an Agile web development environment
- Resolved production defects by analyzing logs in Devo and New Relic, reducing defects below 1%
- Designed and developed a new application using a React-based micro frontend and a Node.js microservice
- Performed security compliance checks on Azure clusters, configured proxies for cross-cluster resource access and restructured Redis caching to improve memory efficiency and data reusability

Ciena

Software Engineer Intern

Ottawa, ON
May–Aug 2021, May–Aug 2022

- Built a real-time notification system for networking applications using Java and Spring with Kafka
- Developed new back-end features for RESTful APIs and microservices using OOP in a distributed system
- Translated business requirements into scalable software designs and collaborated with product owners
- Fixed production defects, documented features and supported end-to-end delivery from planning to release

Software Automation Developer Intern

Sept 2020–Apr 2021

- Developed test automation for microservices using JavaScript and Postman with TeamCity for CI/CD
- Built a Node.js tool to visualize service dependencies, enabling efficient QA testing on affected services
- Automated pull request validation in Python and built a reusable graph library for internal tools

Helping Hands

Software Developer Intern

Mississauga, ON
July–Aug 2019

- Rebuilt 90% of the front-end using React to deliver new responsive components for improved UX

PROJECTS

GazeTracker (Capstone Project)

- Collaborated with psychology researchers to develop a browser-based gaze estimation plugin in JavaScript using jsPsych, enabling real-time on-device gaze tracking without specialized hardware or video uploads
- Built a real-time gaze estimation pipeline using face detection model, a custom-trained neural network to predict 3D gaze vector, and a runtime-trained regression model for user-specific calibration, achieving 30 FPS
- Trained lightweight CNN models using PyTorch, deployed with ONNX for real-time on-device inference, built a calibration UI to collect runtime data for a local regression model to achieve $\sim 3^\circ$ angular accuracy

SKILLS

Languages

Python, JavaScript, TypeScript, C#, Java, SQL, Bash

Frameworks

React, Angular, Node.js, Express.js, .NET, Spring Boot, PyTorch, Flask

Web Technologies

HTML, CSS, REST APIs, WebSockets, JSON, GraphQL, gRPC

Tools & Platforms

Git, Azure, AWS, Docker, Jenkins, Kafka, Redis, MongoDB, Postman, Snyk, NumPy